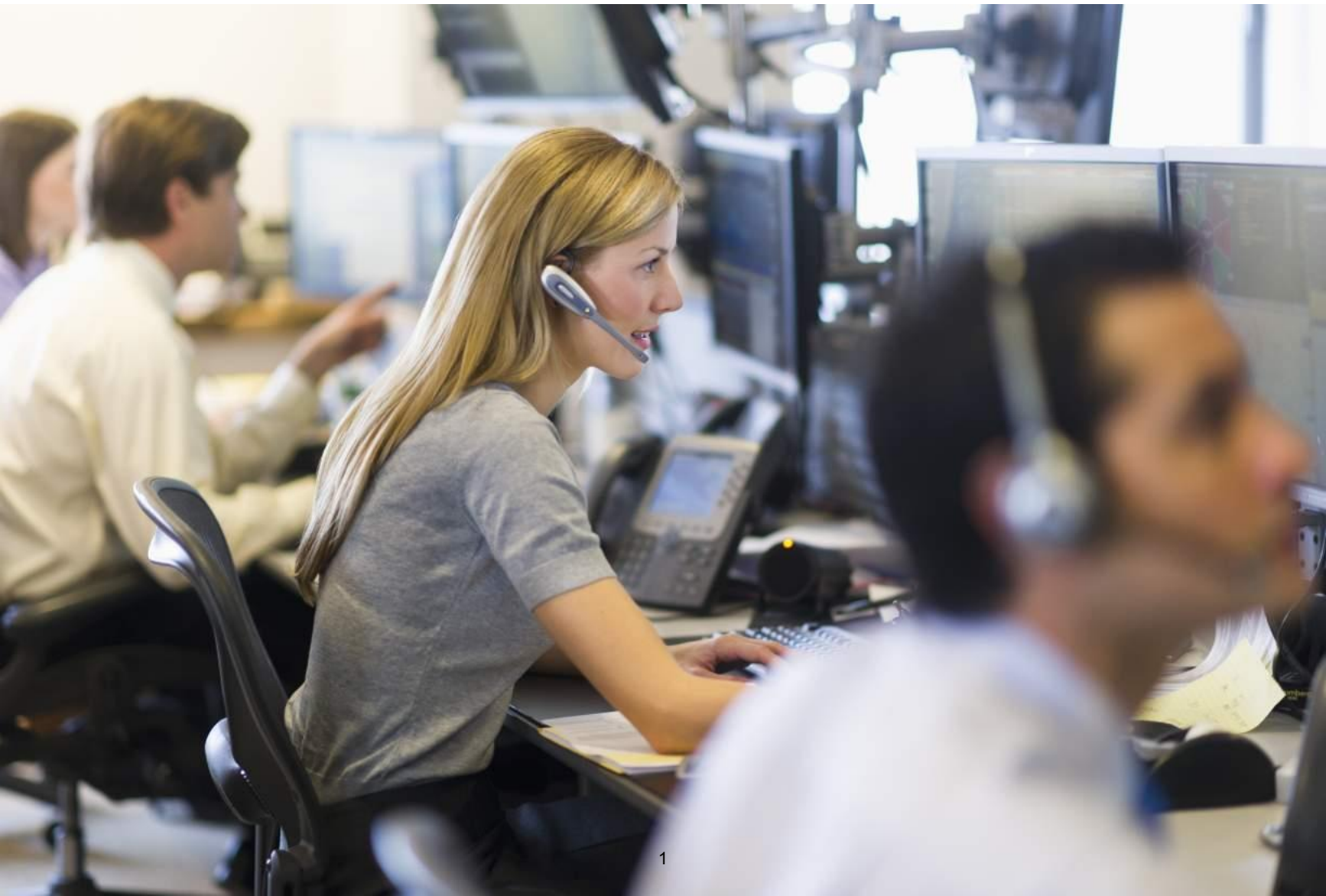
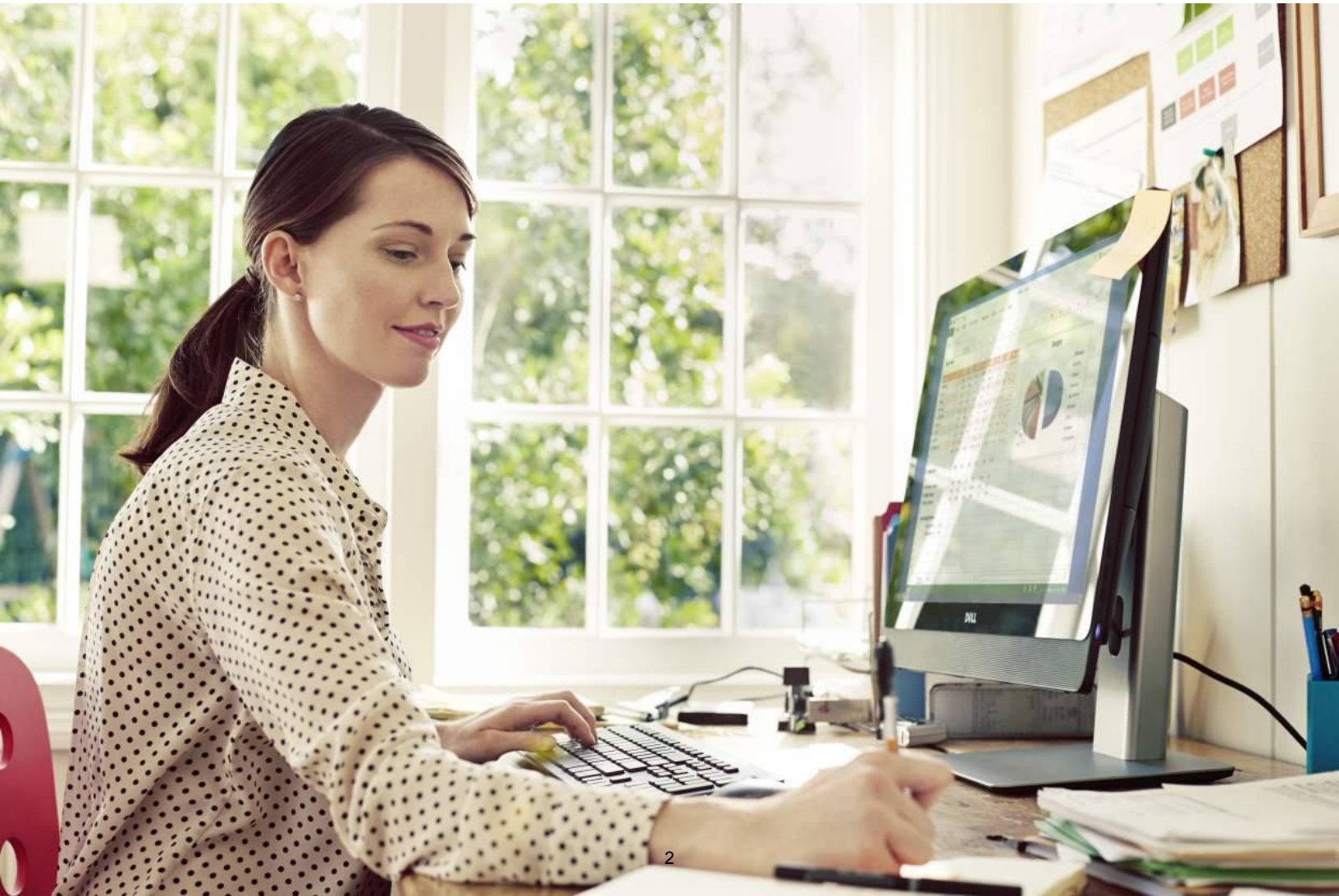
Client Solutions Playbook

Q4 FY16

Updated 11.09.15



Commercial Value Proposition



Security

Dell's industry-leading endpoint security solutions protect your data wherever it goes while seamlessly integrating into your IT processes and enabling end users to work the way they want, on the devices they want.

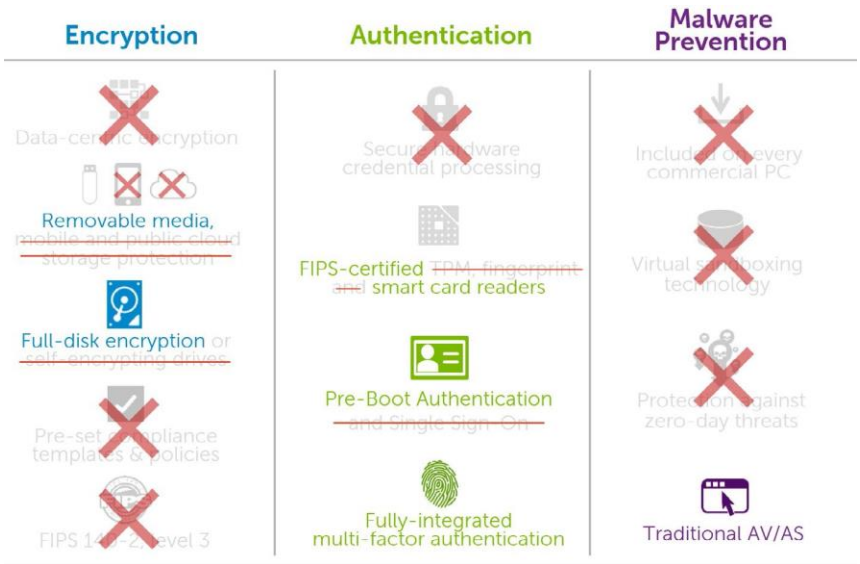
It is the industry's most comprehensive data protection for securing end user data on any device, external media, and in the cloud. Our solutions enable end users to work with the tools they know and love without interruption or compromised performance, and only Dell gives IT an easy way to deploy and centrally manage all their endpoint security and compliance needs without disrupting their existing processes, such as patch management.

Dell Data Protection | Encryption solutions flexibly scale to fit your needs, including the highest level of protection (FIPS 140-2, level 3), and Dell offers the broadest range of fully-integrated advanced authentication solutions, such as FIPS-certified smart card and fingerprint readers, for stronger protection against unauthorized users. Finally, only Dell provides proactive malware protection on every commercial PC to stop even the most advanced attacks in their tracks.

Learn more at Dell.com/DataProtection

Competitive comparison

Lenovo lacks many end-point security options and offers lower FIPS certification.



Dell - Internal Use - Confidential

Dell Data Protection benefits

Comprehensive protection

- Protect data on any device, external media and in the cloud with flexible options, including the highest level of FIPS 140-2.
- Enable Dell's broad range of fully-integrated advanced authentication options, including fingerprint, smart card and contactless smart card readers and unique hardware credential processing.
- Automatically detect and block all malicious behavior – even zero-day attacks.

Simplified management

- Easily implement encryption, authentication, and malware prevention — right out of the box.
- Remotely manage encryption and authentication policies with a single console designed to work seamlessly with existing IT processes.
- Save IT countless hours of remediation work by proactively preventing malware attacks.

Easier compliance

- Deploy, enforce and audit compliance policies with pre-set compliance templates.

End user productivity

- Empower employees to securely work anytime, anywhere, on any device without disruption.
- Enable employees to log in once without having to memorize multiple passwords.
- Protect employees from targeted attacks without interrupting workflow.

Dell's security expertise is much broader with Dell Securework leading Managed Security Services, Dell Sonicwall for networking and Dell Quest on identity management.

- Network Security Next-Generation
- Secure Remote Access
- Endpoint Security
- Compliance & IT Governance
- Security Services
- Cloud Security

Learn more at Dell.com/DataProtection

Manageability

Dell offers the world's most manageable client devices by building unique systems management capabilities into our Latitude, OptiPlex Dell Precision, Dell Venue Pro 11 and XPS notebook systems combined with Dell Client Command Suite, free automation tools that help automate remote system management.

Dell goes above and beyond with:

Faster Deployments
Less steps with simple and easy-to-use, free automation tools with Microsoft System Center 2012 integration

Best integration of monitoring of Power, Inventory , and Warranty Dell Power Manager, inventory tracking for hardware & software, warranty reporting

Most Generations of Updates
Full support over the depreciated lifetime. Ex. Dell Driver CABs are supported for five generations of Dell Latitude – longer than any other hardware provider

Competitive comparison

Lenovo relies on third party solutions.
Slower CAB files deployment, fewer BIOS settings and template options, basic support of out-of-band system management or lack of DASH certification are just a few gaps between Dell and Lenovo on the manageability side.

Lenovo gaps visual comparison.

Dell Client Command Suite

$5,700
in cost savings for every 100 users/yr. using Dell Client Command Suite

Exclusive Intel vPro capabilities

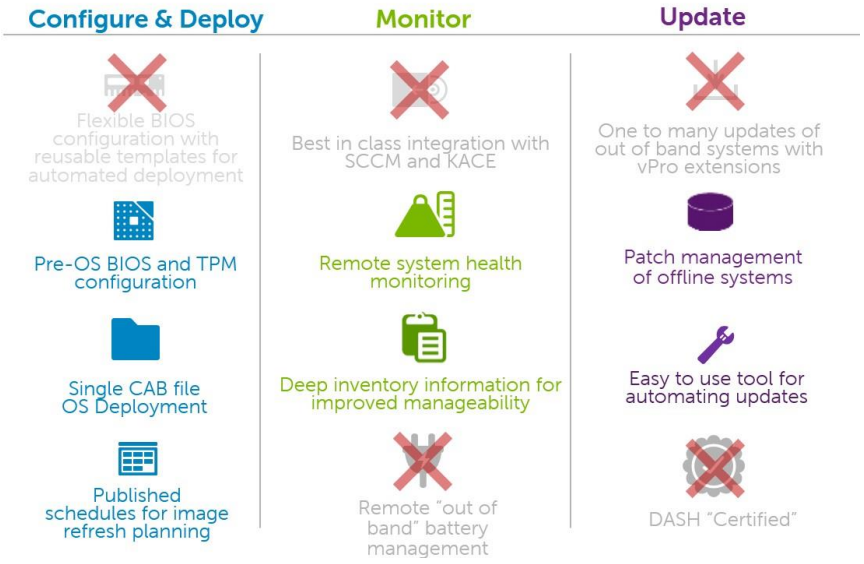
Out-of-band remote manageability with four unique functions:

- Update one time for multiple systems (our 1-to-many advantage)
- Remote BIOS management
- Remote hard drive wipe
- Remotely adjust power settings

Discover more about Dell Client Command suite at dell.com/command

HP offers proprietary solutions or basic third party support.

While HP offers more than Lenovo, the choice between expensive consulting based solutions or basic third party support limits TCO saving opportunities. Dell offers also both benefits, but invests into Microsoft SCCM extensions, LanDesk support and develops similar functionality right into KACE appliances.



Sources:
1)Principled Technologies report: Dell client management tools
2)Based on IDC costs measurements per IT maturity and Gartner IT accounting model, we have an 85% confidence level that market average cost is $40+ par client per month.

Deploy

- 77% fewer steps to import drivers versus competition[1]; about 30 min work time.
- 55% fewer steps to import WinPE drivers[1].
- 46% fewer steps to task sequences[1].

Dell Configuration and Deployment services for fast and efficient imaging delivered directly to the end user.

Dell Services integrated with Dell Partner network offer scalablility and proximity benefits.

Monitor

Easier access to warranty and service tag information, on system or online with Dell Online tools.

Dell offers over 2000 data points for inventory or heath status monitoring of Dell business class systems. Out of band monitoring is also available through our vPro extensions.

Track and dispatch warranty parts directly and save time with Dell ProSupport options.

Update

Update BIOS in 13 seconds with 75% less time versus Lenovo.

The only 1 to many out-of-band management capability in the industry.

DASH certified systems: Dell now up to 89 systems; HP has 49; Lenovo doesn't have any.

Dell provides updates for up to 5 generations of commercial PCs, HP and Lenovo do not.

Dell is the first OEM to offer a PowerShell Provider for BIOS management

Reliability

Dell offers outstanding reliability, with products that are designed, tested and engineered to deliver a flawless experience every time. Dell is the only Tier 1 vendor offering end-point devices from the boardroom to the battlefield and everything in between. Dell's rugged learnings bolster the rest of our business client portfolio.

Customer-led design

Dell has a team dedicated to improving product design and functionality by leveraging formal analysis of customer experience and user feedback.

- Competitor spec-to-spec database of more than 447 Dell and competitive products
- 43 physical analysis workshops, tearing down 193 Dell and competitor systems this year
- Design insights and data used to validate findings and to integrate into customer-driven development

Stringent component qualification

Dell ensures operating margins by testing to the system level and individual component level.

Commercial client products invest in the best internal components through tight specifications and sourcing requirements.

Feedback from Dell suppliers: Dell's test methodology and component specifications are among the most stringent they've seen.

Example: up to 1/3 of the industry's standard electrolytic capacitor suppliers do not meet Dell's high quality requirements.

Latitude 7000 series
the world's most durable ultrabook[1]

Lenovo ThinkPad
X1 Carbon

Dell Latitude
E7240

System Testing beyond normal limits

Dell is the only Tier 1 vendor offering end-point devices from the boardroom to the battlefield with our Latitude portfolio including Ruggedized systems.

Dell has state-of-the-art reliability test equipment so we can test beyond typical usage models and design robust products.

Highly Accelerated Life Testing (H.A.L.T) subjects our PC's to severe temperature, humidity, and shock & vibe conditions to validate our designs and margins.

Traceability enables consistent quality

Dell has unique system traceability, and we can even take it down to the component level, enabling us to surgically analyze the quality of individual parts.

This is due to Dell requiring a PPID label (Piece Part ID) for global hardware identification.

Dell tracks daily reliability performance for over 65,000,000 systems in the field.

Our direct model gives us confidence that we have access to more product quality data than anyone – enabling us to consistently deliver quality products and to address issues faster than our competitors.

Lenovo on reliability

Lenovo is telling their customers that they have better reliability and durability using a 2011 TBR study as a proof point. A Dell commissioned TBR 2013 study shows a different story.

Lenovo's document is misleading:

1) It uses data from markets where Lenovo sells high-end systems in comparison to a Dell mix of high and low-end systems.

2) The document is not accredited any-more as it is from 2011 and the research sample is not statistically significant.

Dell's current Latitude PC's have better quality and fewer dispatches in their first 3 years of service than stated levels shown for Lenovo and HP in the 2011 TBR report.

"Dell notebooks are the most reliable according to Customer Satisfaction Research"

TBR, January 2015

Dell outscored the competition for the 3rd consecutive quarter, finishing 1st in all 22 satisfaction attributes.

"Product reliability and performance are the two biggest drivers of customer loyalty to a product. According to TBR's CSAT study, Dell maintained a leading position among enterprise notebook vendors and achieved a higher satisfaction score than the average of the en- terprise notebook market. Similarly, Dell outperformed other notebook vendors in performance. Dell maintained a leading position in ongoing hardware quality and performance for the first three quarters of 2014.

TBR believes Dell's commitment to sourcing reliable and thoroughly tested components for its notebooks, from entry-level to high-end devices, is sup- porting its consistently high customer satisfaction scores."

Top reasons to believe

- We have a dedicated team of Reliability and Quality engineers and experts
- In the past two years, Dell has pulled key quality testing in-house to avoid any quality compromises and enable better reliability
- Resolving hard drive issues with ProSupport Plus requires 58% fewer user steps than HP & Lenovo
- 97% of business client products have had zero dispatches in year one
- Dell is dedicated to improving system quality and has reduced dispatches by 35% over the past 3 years
- TBR named Dell Notebooks as "Most Reliable" in their customer satisfaction report

Dell Client Portfolio

More focused and versatile

Dell may not offer as many models as select competitors, we focus on creating the most relevant ones based on customer feedback and research.

But Dell offers products that other do not. We have a stronger offering in thin clients, including a virus immune Thin OS or mobile thin client dongle that competition does not offer and that plays nicely into digital signage or Internet of Things strategies. Dell also offers a fully rugged product portfolio that is just as secure and manageable as core clients for field technicians, delivery personnel and in vehicle docked devices.

An unparalleled range of devices to meet business needs from office to the field and supporting automation.

Worldwide consistent service

Most business work internationally or have multiple subsdiaries within large countries. Dell can deliver a consistent service in more countries, as much of the configuration happens at factory or in hubs.

Dell OEM department can help support our PC integration in a wide range of solutions, such as high-capacity printing installation for press, medical scanners, airport check-in counters and more.

Deployment can be adjusted and deliver directly to the end-user desk and take care of data migration and even training.

Old systems can be recycled or resold in order to help support eco-responible computing.

Dell Financial Services can help run the whole PC lifecycle service as a operating expense client as a service offer.

Best-in-class support

The TBR recognized Dell ProSupport has evolved and now available as ProSupport Plus, which is even more differentiated from a competitive perspective.

This advanced support leverages Inter- net of Things and Big Data approaches for proactive support and predictive support in a highly automated way.

Dell has years of advance in automated support and it provides high satisfaction to the already most reliable PCs in the industry.

Features	ProSupport Plus	HP Elite	Lenovo
Hardware support	✓	✓	✓
Third party collaborate software support	✓		✓
Priority access to expert	✓	✓	✓
Case submission via API	✓		
Proactive automated support	✓		
Predictive automated support	✓		
Accidental damage repair	✓	Optional	Optional
Retain your hard drive	✓	Optional	Optional
Technical account manager with monthly reporting	✓	Optional	

Dell Innovation

Dell CES awards in 2015

CES awards are great talking points, when confronted to customers suspicious about Dell innovation potential. The press and reviewers have made multiple competitive comparisons that speak best by themselves. If your customers brings Apple iPad or MacBook Air into the conversation, point them to these articles and awards!

- XPS 13, 2015 CES Editors' Choice award - Reviewed.com (a division of USA Today)
- XPS 13, Top Tech of CES 2015 award - Digital Trends
- XPS 13, Top Pick CES 2015: Laptop – LAPTOP
- XPS 13, Most Outstanding of CES 2015 award – Notebooks.com
- XPS 13, CES 2015 Excellence Award – GottaBeMobile
- XPS 13, CES Innovation Award Honoree - CEA
- XPS 13, Best Laptop CES 2015 award – The Verge
- XPS 13, Best Laptops of CES 2015 award - MSN
- XPS 13, Best Products of CES 2015 - Pocket-lint
- XPS 13, Best Upcoming Laptops in 2015 - Tech Times
- XPS 13, Top Picks of CES 2015 - Windows Central
- XPS 13, Best of CES 2015 award: Best Laptop - Tech Radar
- XPS 15, Best Laptops of CES 2015 award - MSN
- Venue 8 7000 Series, Best Gadget of CES 2015 - Venture Beat
- Venue 8 7000 Series, Best Tablet of CES - Boston Globe
- Venue 8 7000 Series, The Very Best of CES 2015 - BGR
- Venue 8 7000 Series, Best of CES award - Engadget
- Venue 8 7000 Series, Best of CES award - Mashable
- Venue 8 7000 Series, Top Pick CES 2015: Tablet - LAPTOP
- Venue 8 7000 Series, Best of CES award - PC Mag
- Venue 8 7000 Series, CES 2015 Excellence Award – GottaBeMobile
- Venue 8 7000 Series, 2015 CES Innovation Award Best of Innovation Honoree - CEA
- Venue 8 7000 Series, Best Tablet CES 2015 award – The Verge
- Alienware 15, CES 2015 Excellence Award - Notebooks.com
- Alienware Area-51, CES Innovation Award Honoree - CEA
- Inspiron 15 5000 Series laptop, CES Innovation Award Honoree - CEA
- Inspiron 23 AIO, Best of CES 2015 award: Best All-in-One PC - Tech Radar
- Latitude Education 13" Laptop and Mobile Cart, CES Innovation Award Honoree - CEA
- UltraSharp 34 Monitor – U3415W (Curved), CES Innovation Award Honoree - CEA

Dell Wireless Dock was the first WiGig based docking solution

Dell innovation in Security

Did you know that Dell on top of having made many acquisitions (Credant, SecureWorks, SonicWALL, Quest) to build its security capabilities has innovated on security?

- First to offer self-encrypted drive on commercial PCs
- First to offer smart card readers on commercial PCs
- First to offer contactless smart card readers
- First to offer FIPS fingerprint readers
- First to offer a chip for processing credentials out of the memory with Dell ControlVault
- First to offer a FIPS TPM
- First to offer browser sandboxing on commercial PCs
- First to offer file based encryption on commercial PCs
- First with one-to-many out-of-band BIOS management

Dell Advantage

Unlike our competitoris, Dell has:

- No proprietary technology deliberately designed to lock in customers
- No closed ecosystems that intentionally block out competitors
- No complex and costly monolithic systems and management stacks
- No constraints on scalability that force customers to rip-and-replace
- No vested interest in costly, legacy platforms (e.g. mainframes)
- No siloed views or hidden agenda to own customers through strength in one area

End-to-end solutions

Dell offers standard-based, open, modular, flexible solution portfolio that scales. Lenovo cannot offer the same breath and even HP struggles matching our offering (ie: security).

Superior end-to-end solutions can represent significant savings for customers. For instance, Dell Smart Selections with Dell Configuration and Deployment services ordered over a business-to- business connection and a Dell Financial Services con-tract can enable a work- force at less than the price of a coffee per day and per user. A very small amount compared to employees salary and savings that HP and Lenovo will struggle to replicate.

The security example

Without a doubt this is the area where Dell differentiates the most. Dell Data Protection suite and advanced hardware on select Latitude laptops deliver the most secure laptops.

Mobility is one of the top priorities for CIOs who are looking at accelerating cloud and mobility to enable their businesses. Yet there is a challenge; mobility puts more data on the road and threatens the infrastructure as users authenticate remotely using multiple applications and devices.

Secure mobility cannot be approached only with the client in mind. Security needs to be holistic and cover data protection on the drives, as well as, when it is flying on the network. Malware threats need to be addressed on servers, emails, clients and malicious web-based code needs to be isolated from other applications. Services and research for proac- tive threat detection as well as pattern detection are needed in order to identify the latest threats, phishing and social engineering.

Only Dell has

Dell Data Protection suite that offers best-in-class data encryption from the drive into the cloud as well as zero-day sandboxing technology.

Dell Quest Identity and Access Manage-ment that supports strong multi-factor authentication and single sign-on solu-tions from the device into the back-end.

Dell SecureWorks leader on the Gartner Magic Quadrant for managed security service provider (MSSP).

Dell SonicWALL offers SSL VPN remote access, deep packet monitoring and zero-day protection. Benefit from GRID a 1 million sensor network that helps detect threats as early as possible.

What makes Dell Security different?

- Connected end-to-end: closes gaps, reduces complexity and miti- gates risk
- Shared, context-aware intelligence: enables proactive protection everywhere
- Built for humans: security that stands in the way of threats, not people and productivity

Discover more on Dell network, data, endpoint, identity and access management solutions as well as security services on dell.com/security

Other Dell benefits

Single point of contact

- Dell let's you choose the way you want to get your service. You might prefer to work with a local partner who knows your infrastructure or have your experts work directly with Dell.
- Customers or partners get a single commercial point of contact who acts as an entry point into Dell vast capabilities.

Professional support

- 24x7 direct access to highly trained experts who provide enterprise-level, tech-to-tech support
- Remote and on-site support with four and eight hour parts & labor response options
- Incident-based third-party software assistance for data center and end-user applications, OS, and firmware troubleshooting
- Emergency parts and labor dispatch, in parallel with trouble-shooting, for issues you identify as severity level 1
- Access to secure online manage-ment of parts, convenient for servicing your own hardware

Dell Premier

- Simplify eBusiness. Dell Premier provides your organization with a customized, secure online toolset for purchasing, reporting and product support, all backed by a dedicated account team.
- PremierConnect is B2B procurement made simple. Our global end-to-end electronic procure- ment process that integrates with your enterprise resource planning (ERP)/procurement system from catalog through payment
- Global Portal is your own secure, personalized global purchasing and support site, which you can quickly and easily customize to suit your precise requirements, saving your organization time and money throughout all phases of IT product ownership.

Dell - Internal Use - Confidential

Return on Investment

Dell Client Solutions to help save time and money

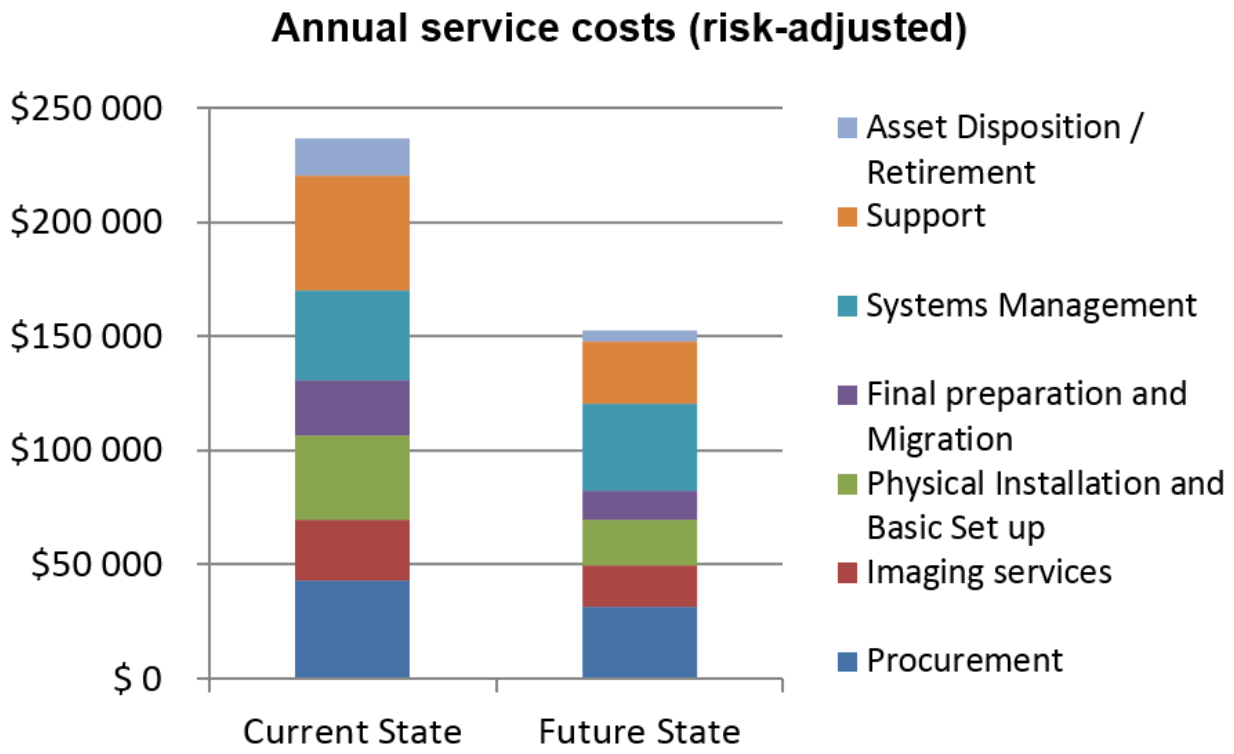
Dell and Intel commissioned Forrester Consulting to develop the Dell Client Solution Cost Estimator that helps estimate Dell Client Solutions cost saving opportunities. Forrester interviewed Dell customers and assessed Dell offers in order to compare them to market research established costs for similar processes.

Build trust with customers talking about IT business processes, demonstrate how moving to Dell can pay for the cost of change, migrate your retention customer to high-satisfaction services that will retain them with Dell.

- Dell Configuration service have a 95%+ satisfaction and 90% retention
- Dell Client Solutions can offer up to 25% ROI on PC lifecycle management
- 79% of buying decision makers have economic or business criteria's

Below annual service costs are estimated for a US based business with 1000 desktops and 1000 laptops equipped with docking stations and external displays.

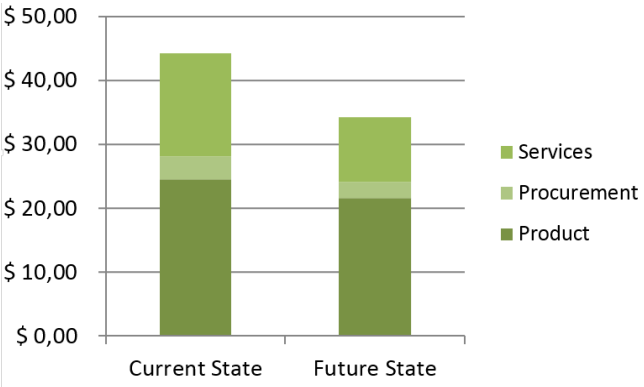
Savings moving to Dell are potentially up to two IT headcounts who can refocus on added value projects.



Dell Client Solutions for Channel Partners

Dell Configuration and Deployment Services can offer fantastic business agility for Dell Channel Partners. These services can serve as workforce on demand and help mitigate the challenges of shaping demand towards partners resources. It helps them grow over time and focus resources on the most value added tasks while keeping them in control of the project management.

Average monthly costs per end-user device including hard-ware (risk-adjusted)



Dell Clients as a Service

Dell can offer laptops, desktops and tablets as a service with Dell Configuration & Deployment Services, Dell ProSupport Plus and Dell Financial Services.

If IT is interested in having the departments acquiring their PCs directly, Dell can setup efficient processes that enable users to order and get the PCs delivered directly to them fully setup.

The client as a service approach offers these essential pro-ductivity tools starting at less than a $1 per day. Meaning your Ultrabook, servicesd adn deployed costs you probably less than the your morning coffee.

Dell - Internal Use - Confidential

Commercial Brand Positioning

Latitude /OptiPlex	Precision	Venue	Latitude Rugged	Chrome	XPS	Vostro
• World's most secure, manageable and reliable business-class laptops, 2-in-1s and desktops • Managed life cycles and planned transitions	• World's most powerful workstations • Ultimate reliability with ISV certification for professional software applications • Professional graphics • Most complete portfolio of workstation solutions with laptop, desktop, rack & virtualized	• Ultimate mobility in tablet products • Android and Windows OS options • Best security and manageability options	• Built for extreme conditions • Secure and manage your Rugged products the same as Latitude, OptiPlex • World's most secure, manageable and reliable • Common laptop dock for vehicle mounting & desk docking	• Laptops and Desktops that provide easy and affordable access to the cloud & web-based applications • Instant access to Google apps • Available as a notebook or desktop • Chromebox for meetings provides a video conferencing solution at an affordable price	• Perfect for executives • Competes with Apple MacBook • Laptops constructed of premium materials • No managed lifecycle transitions • Full manage-ability features including Client Command suite	• Laptops and Desktops built for small businesses • For un-managed environ-ments • The right balance of price & features to provide a smart option & the best value for small business
Vertical Focus						
• Enterprise businesses • Education • Healthcare • Gov't	• Media and Entertainment • Architecture Engineering and Construc-tion • Scientific and Healthcare • Finance	• Retail/POS • Healthcare • Education • Manufact-ring	• Military • Public Safety • Manufactu ring • Field Service • Energy/ Utility	• Education • Small and Medium business • Consumer	• Business • Prosumers	• Small business

Current Products

Mobile Productivity

Dell commercial mobile portfolio

Currently shipping portfolio

Latitude (current-gen)

NEW Latitude 14/15 5000 Series (E5x70)
Latitude 12/14 7000 Series (E7x50)
Latitude 12/14/15 5000 Series (E5x50)
Latitude 14/15 3000 Series (3x50)
Latitude 11 Education Series (3150/3160)
Latitude 13 Education Series (3340)

Precision (current-gen)

NEW Precision 15 3000 Series (3510)
NEW Precision 15 5000 Series (5510)
NEW Precision 15 7000 Series (7510)
NEW Precision 17 7000 Series (7710)
Precision M6800 Mobile Workstation EOL target: Q2 CY16
Precision M4800 Mobile Workstation EOL target: Q2 CY16
Precision M3800 Mobile Workstation EOL target: Q2 CY16
Precision M2800 Mobile Workstation EOL target: Q2 CY16

Venue (current-gen)

Venue 8 7000 Series (7840)
Venue 10 7000 Series (7040)
Venue 10 5000 Series (5050)
Venue 10 Pro 5000 Series (5055)
Venue 8 Pro (5830)
Venue 11 Pro 5000 (5130)
Venue 11 Pro 7000 (7140/7139)

Latitude Rugged (current-gen)

Latitude 12 Rugged Extreme (7204)
Latitude 14 Rugged Extreme (7404)
Latitude 14 Rugged (5404)
Latitude 12 Rugged Tablet (7202)

Chrome (current-gen)

Chromebook 11 (3120)
Chromebox (3010)
Chromebox for Meetings (3010)

XPS (current-gen)

NEW XPS 13
NEW XPS 15
NEW XPS 12
XPS 13 EOL target: Q1 CY17
XPS 15 EOL target: Q3 CY16

Vostro (current-gen)

Vostro 14/15 3000 Series (344x/354x) EOL target: Q3 CY16
NEW Vostro 14/15 3000 Series (3458/**3459**)
Vostro 15 3000 Series (3558/3559) EOL target: Q2 CY17
NEW Vostro 14 5000 Series (5459)

Latitude

Latitude: the world's most secure, manageable, and reliable business-class laptops

Services + Products + Software + Accessories

Education Series

Purpose-built for K-12 student computing programs

3000 Series

Essential mobile performance for small and growing businesses

5000 Series

Premium experience meets business-class workhorse

7000 Series

World's most secure business-class Ultrabook™ for mobility at its finest

7000 Series 2-in-1

World's most secure 2-in-1 delivering a no-compromise experience

Education and Entry | Mainstream | Premium

most **secure** | most **manageable** | most **reliable**

backed by Dell ProSupport™ Plus

Awards and recognition

- Laptopmag ranks Dell laptops #1 in innovation, value, & selection
- #1 seller of the 12-inch Ultrabook™, IDC
- PC Pro Best Commercial Ultrabook
- Latitude 14 7000 "Designed to keep you productive." – PCMag
- Latitude 13 Series 2-in-1 "Tailor made for business use" - PCMag

"A dream machine for business users"
-PCWorld

"Sets the bar for laptops"
–Enderle Group

Dell Latitude

Empowering your workforce

Keep your mobile workforce running smoothly with new Dell Latitude laptops, Ultrabook™ and tablets. With designs that range from small and light-weight to real-world rugged, each new Latitude E-Family laptop can help keep your employees connected and your data protected while providing your IT staff with high levels of security, manageability and reliability.

Confident security

Data is one of your most valuable assets. Latitude helps you secure it through a suite of data protection, user authentication and malware- prevention technologies.

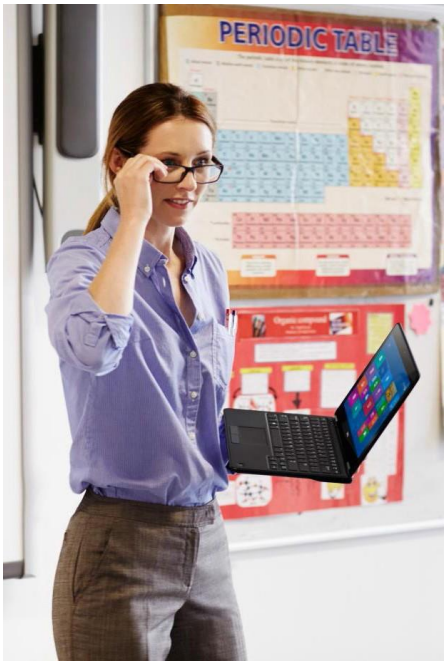
Efficient manageability

The new Latitude lineup includes the world's most manageable laptops that feature the latest Intel® vPro™ systems management tools and Dell's unique management extensions.

Outstanding reliability

Latitude laptops are built to last. With strong construction materials, Latitude systems can stand up to the daily rigors of business on the move.

Dell's new Latitude is our most manageable, secure, environmentally friendly and technologically advanced ever. Combined with integrated solutions and services, our latest lineup offers better performance, higher capacity, and easier manageability.



Dell has it. HP and Lenovo do not.

Most Secure

Enabling you to give more flexible end user access with confidence	Latitude	HP EliteBook[3]	Lenovo ThinkPad[3]
A single solution to protect data from the smartphone to the cloud, across systems and removable data.	✓	✗	✗
U.S. Federal Information Processing Standard (FIPS) 140-2 Level III certification for data encryption	✓	✗	✗
Dell ControlVault™ and crypto accelerator for strong authentication processing and encryption	✓	✗	✗

Most Manageable

Deploy, image, and manage faster than HP with management automation only Dell can deliver	Latitude	HP EliteBook[3]	Lenovo ThinkPad[3]
Out-of-band one-to-many BIOS management	✓	✗	✗
Out-of-band remote battery management	✓	✗	✗
Out-of-band remote hard drive wipe	✓	✗	✗
Faster deployment with Dell driver package	✓	✗	✗

More Reliable

With business-rugged features that help ensure your users stay productive	Latitude	HP EliteBook[3]	Lenovo ThinkPad[3]
Hard drive isolation for reliability and data protection	✓	✗	✓
Fast Response Free Fall Sensor[4]	✓	✗	!
Compatible with 5 generations of docking and accessories	✓	✗	✗
WiGig technology and wireless docking options	✓	✗	✗
Dell Latitude 7000 and 5000 series are subject to more MIL-STD-810G testing[1]	✓	✗	✗

Dell Latitude laptops are the world's most manageable vPro-enabled laptops and take 77% fewer steps to import drivers, 46% fewer steps to create task sequences, and 55% fewer steps to import vital WinPE drivers than Lenovo or HP.[2]

Dell Latitude laptops are more secure with the highest level of US government computer security standards (FIPS 140-2 Level III).

Dell Latitude 7000 are the most durable commercial Ultrabooks. They are subject to more MIL-STD-810G tests than HP or Lenovo.[1]

Industry leading durability; Latitude 14 & 15 5000 series are subjected to more MIL-STD 810G tests than any other fully-featured commercial laptops.[1]

1.Dell Latitude 7000, 6000 & 5000 series are MIL-STD-810G tested 16 different methods, IP5x tested for Ingress Protection and additional internal testing for spills, resistances and long life testing of mechanical parts. Please ask your Sales for the Latitude Environmental
Testing summary or download the document at http://www.dell.com/latitude for full test details.
2. Managing Clients with Dell Client Integration Pack 3.0 and Microsoft System Center Configuration Manager 2012; a Principled Technologies Report commissioned by Dell; September 2012 – downloadable from: http://www.principledtechnologies.com
3.Based on Lenovo ThinkPad published specification information available at http://www.lenovo.com/products/us/laptop/thinkpad/t-series and based on worldwide HP EliteBook published specification information available at http://h18000.www1.hp.com/ products/quickspecs/productbulletin.html
4. Dell Free Fall Sensor is faster than Lenovo's technology but both offer similar functionalities.

Dell - Internal Use - Confidential

Latitude 7000 Series (E7x50)

Superior performance packed into a sleek and incredibly secure Ultrabook™ for mobility at its finest.

Key features	Why it matters
Ultrabook™ thin and light	Thinner than the previous generation, starting at just 2.7 lbs (1.25kg) with a 3-cell battery.
Built with premium materials	Designed with a soft-touch paint finish, woven carbon fiber (on touch models) on the exterior, and a Tri-metal™ chassis magnesium alloy underneath the surface, the Latitude 7000 Series materials not only make it beautiful but reliable.
Optional touch display	Dell touch-enabled displays offer optimal viewing experience, touch sensitivity, brightness and durability with edge-to-edge Corning® Gorilla® Glass NBT™.
Best-in-class reliability	Subjected to extensive MIL-STD 810G testing to ensure durability under extreme conditions. Additionally, a spill-proof keyboard protects against liquid damage while the premium Corning® Gorilla® Glass touch display offers 10x scratch resistance. And, choose optional enterprise-level Dell ProSupport Plus for 24/7 support to minimize downtime.
All-day battery life	Power through your work day with up to 11 hours 51 mins battery life (with the optional 4-cell battery), and with the optional Dell Power Companion, get up to 22 hours and 7 minutes (with 4-cell battery, 500GB Hybrid HDD).
Flexible docking options	Compatible with the E-family docking station or choose the Dell Wireless Dock, for seamless high-speed wireless docking through Intel® WiGig technology powering up to two external displays, keyboard, mouse, audio and other peripherals for a desktop free of wires.

Recommended Accessories

Dell E-Port Replicator
Achieve full desktop functionality with one simple connection

Dell Power Companion
Charge multiple devices simultaneously, and extend battery life while on-the-go

Dell Mini DisplayPort to VGA Adapter
Display mobile content on large screens and projectors

Dell UltraSharp 24 Monitor – U2414H
View in vivid Full HD with the world's thinnest border for nearly seamless viewing across multiple screens

Dell Wireless Keyboard & Mouse – KM714
Create in a clutter-free workspace clear of wires and cables

Dell Premier Briefcase
Provides the convenience and reliability of a mobile office with a sleek, travel-friendly design

Latitude 13 7000 Series (7350)

The world's most secure 2-in-1 laptop, combining a lightweight business Ultrabook™ and a detachable 13-inch tablet.

Key features	Why it matters
Intel® Core™ M and Core™ M vPro processors	Multitask throughout your day with powerful Intel® Core™ M processor and Intel® Core™ M vPro processor family – optimized for 2-in-1 devices.
Full size business-class single point ISO keyboard with standard backlit	Work comfortably on-the-go with the full-size business-class single point ISO keyboard with standard backlight and the convenience of two USB 3.0 ports on the keyboard base.
Large 13.3" Full HD touch display	Enjoy ample viewing area for your content on a large 13.3-inch Full HD touch display. The latest 10-point capacitive touch technology delivers pinpoint accuracy and supports the optional Dell Active Stylus for easy note taking.
Best-in-class reliability	Subjected to MIL-STD 810G testing to ensure durability under extreme conditions. A spill-proof keyboard protects against liquid damage while the premium Corning® Gorilla® Glass touch display offers an optimal viewing experience with better touch sensitivity, brightness and durability. And, choose enterprise-level Dell ProSupport Plus for 24x7 access to expert support to minimize downtime.
All-day battery life	Go longer in between charges with up to 10 hours of battery life when you connect to the optional 2-cell battery in the keyboard base. And with the optional Dell Power Companion, get up to 21 hours and 14 minutes (with 3-cell and 2-cell battery, 128GB SSD).
Purpose-built accessories	The Dell Mobile office was purposefully designed for the Latitude 13 7000 Series 2-in-1 to help end users achieve ultimate mobility productive throughout the workday.

Recommended Accessories

Dell Premier Briefcase
Provides the convenience and reliability of a mobile office with a sleek, travel-friendly design

Dell Active Stylus
Enjoy natural interaction and improved productivity with your tablet

Dell Premier Sleeve + Stand
Protect your system and maintain comfort in tablet mode with a 2-position stand

Dell Adapter - USB 3.0 to HDMI/VGA/Ethernet/USB 2.0
Universal adapter provides multiple connectivity options in one convenient device

Dell Power Companion
Charge multiple devices simultaneously, and extend battery life while on-the-go

Nov.2015 (Quad Core Proc)/Jan.2016 (Dual Core Proc)

NEW Latitude 5000 Series (E5x70)

Fully-featured business-class mobile workhorse in a premium design delivering exceptional experience.

Key features	Why it matters
Thin & light with added durability	Premium form factor that end users are proud to carry, starting at just 3.29 pounds. Built with Carbon Fiber Reinforced Polymer materials for superior durability without the weight.
Added scalability in performance & features	• Intel 6th Gen ultra low volt Dual Core & standard volt Quad Core processors for greater performance and power efficiency (available on 14" and 15" only) • No Wires – wireless docking, Intel® Pro WiDi • New ways to connect – Thunderbolt™ 3 • VGA available across all 3 form factors (12/14/15 Quad Core) for legacy support • M.2 SSD offers lighter weight storage • PCIe/NVME – offers lighter weight storage and faster data transfer speeds • FHD added to 12" – for consistent display offering across all 3 form factors • DDR4 – for greater memory performance over last generation DDR3
High density batteries	Offers longer battery life (estimated 12hrs/pending benchmarks) and new captured screws on back door enabling easier battery swapability
Optional touch display	Dell touch-enabled displays offer optimal viewing experience, touch sensitivity, brightness and durability with Corning® Gorilla® Glass NBT™, plus 10x scratch resistance.
Flexible connectivity experience	Choose from existing E-dock family docking solutions, the Dell Wireless Dock, which provides seamless high-speed wireless docking through Intel® WiGig technology for a desktop free of wires, or USB Type-C cable docking (15" only with H CPU). Also, Intel® Pro Wireless Display technology (Intel® Pro WiDi) allows users to connect wirelessly to projectors and displays

Recommended Accessories

On-the-go Essentials

Dell Professional Briefcase (S) / (M)
Lightweight cases for professionals looking for a streamlined, secure way to transport a laptop, tablet and accessories.

Dell Tek Backpack (M)
A reliable, lightweight backpack for professionals looking for a streamlined, secure way to transport a laptop, tablet and accessories.

Dell Power Companion
Provides significant extra battery life and powers your Latitude, as well as up to two smartphones, tablets or other USB-enabled devices on the go.

Dell Wireless Mouse - WM324
This lightweight, compact mouse offers maximum portability and comfort for mobile users.

At-Desk Productivity

Dell E-Family Docks
Achieve full desktop functionality with one simple connection and access to legacy ports.

Dell 24 Monitor - P2416D
Boost productivity with this visually brilliant, eco-efficient monitor featuring multiple input device ports and easy adjustability.

Dell Multimedia Keyboard - KB216
A reliable keyboard with chiclet keys for everyday usage, featuring a compact form designed for productivity and comfort.

Latitude 5000 Series palm rest matrix E5x70

Keyboard	12-inch	14-inch	15-inch
Base no fingerprint reader, no contacted smartcard, no contactless smartcard, no Control Vault	Single Pointing Backlit/non-backlit	Single Pointing Non-backlit	Dual Pointing Backlit/non-backlit
Smart card only Contacted smartcard, Control Vault	Single Pointing Backlit/non-backlit	Single Pointing Non-backlit **OR** Dual Pointing Backlit	Dual Pointing Backlit/non-backlit
Standard fingerprint reader, contacted smartcard, contactless smart card/NFC, Control Vault	Single Pointing Backlit/non-backlit	Dual Pointing Backlit	Dual Pointing Backlit/non-backlit
Standard +Type C fingerprint reader, contacted smartcard, contactless smart card/NFC, Control Vault	N/A	N/A	Dual Pointing Backlit/non-backlit

Gen over Gen Feature Comparison

Latitude 12 5000 Series

	Latitude 12 5000 Series (E5250)	Latitude 12 5000 Series (E5270)
Materials	LCD Back-Mg, Paint Bezel-PC/ABS + TPU Palm Rest-PC/ABS, Paint Base-PC/ABS, textured	**LCD Back-PC+20%CF, Paint (CFRP)** Bezel-PC/ABS + TPU Palm rest-PC/ABS, Paint **Base-PC+20%CF, textured (CFRP)**
OS	Windows 7 Pro/8.1/Ubuntu	Windows 7 Pro/8.1/**10**/NeoKylin/Ubuntu
CPU	4th Gen Intel® Celeron and Core™ i3/i5 (U-15W) 5th Gen Intel® Celeron, up to Core™ i7 (U-15W) vPro	**6th Gen Intel®, up to Core™ i7 (U-15W) vPro**
Graphics	Integrated Intel HD Graphics	Integrated Intel HD Graphics
Memory	Up to 16GB DDR3L 1600MHz (up to 2 DIMM)	Up to 16GB **DDR4 2133MHz** (2 DIMM)
Display	12.5" HD (1366 x 768) AG; FHD Corning® Gorilla® Glass NBT Touch Option; Magnesium LCD Back	12.5" HD (1366 x 768) Anti Glare (16:9) **12.5" FHD (1366 x 768) Anti Glare (16:9)** 12.5" FHD (1920 x 1080) Touch with Corning® Gorilla® Glass NBT **Carbon Fiber Reinforced Polymer LCD Back**
Storage	HDD, Hybrid HDD, 2.5" SSD, mSATA SSD, mSATA Opal SED, HDD FIPS SED, HDD FIPS, Hybrid FIPS SED	HDD, HDD FIPS SED, Hybrid HDD, 2.5" SSD, **M.2 SSD SATA, M.2 SATA Opal SED, M.2 SATA SED, M.2 SSD PCIe**
Optical Drive	External only	External only
Keyboard/Touchpad	ISO Single Standard & ISO Single Backlit	ISO Single Standard & ISO Single Backlit
Battery Whr	38Whr, 51Whr, 62Whr CRU Internal	**47Whr,** 62Whr (no 2.5" support); 62 Whr LLC; CRU Internal battery

Gen over Gen Feature Comparison Cont.

Latitude 12 5000 Series

	Latitude 12 5000 Series (E5250)	Latitude 12 5000 Series (E5270)
I/O	HDMI, 3XUSB3.0 (1 w/ PowerShare), mDP, RJ-45, SD 4.0, Universal Headset/Mic, Internal SIM	HDMI, 3XUSB 3.0 (1 w PowerShare), **VGA** RJ-45, SD 4.0, Universal Headset/Mic, **External SIM**
Wireless	WLAN, BT, LTE, WiGig	WLAN, BT, LTE, WiGig
Security	TPM 1.2 (FIPS 140-2), Optional Control Vault Optional Smart Card Reader (FIPS 201) Optional NFC/Contactless SC Reader (FIPS 201) Optional Swipe Finger Print Reader Optional HW Crypto Accelerator (FIPS 140-2 Level 3) K lock slot DDP|Security Tools DDP|Protected Workspace (1 yr Subscription) Optional DDP|E Encryption SW	TPM 1.2/**2.0(Win10 only)** (FIPS 140-2) Optional Control Vault 2 (FIPS 140-2 Level 3) Optional Smart Card Reader (SPIR/FIPS 201) Optional NFC/Contactless SC Reader FIPS 201) Optional **Touch** Finger Print Reader Optional HW Crypto Accelerator (FIPS 140-2 Level 3) K lock slot DDP|Security Tools 2.0 DDP|Protected Workspace (1 yr Subscription) Optional DDP|E Encryption SW
Starting Weight	1.56kg / 3.44 lbs	1.49kg / 3.29 lbs
Dimensions	310.5 x 22.7 x 212.8mm 12.2 x 0.9 x 8.4"	310.5 x 22.65 x 214.5mm 12.2 x 0.9 x 8.4"
Docking/Port Replication	Latitude E-docking, Optional WiGiG dock, Non E-dock configuration	Latitude E-docking standard, Optional WiGig Dock
Peripheral Ecosystem	Dell E-Port Replicator, Dell 23 Monitor, Dell Wireless Keyboard & Mouse, Dell Professional Topload Carrying Case, Dell Power Companion	Dell E-Port Replicator, Dell 24 Monitor, Dell Wireless Keyboard & Mouse, Dell Professional Business Carrying Case, Dell Power Companion, Power Hub (45W, PRTS)

Nov.2015 (Quad Core Proc)/Jan.2016 (Dual Core Proc)

Gen over Gen Feature Comparison

Latitude 14 5000 Series

	Latitude E6440	Latitude 14 5000 Series (E5450)	Latitude 14 5000 Series (E5470)
Materials	LCD back–Al+Mg inner frame Bezel–PC/ABS + TPU Palm rest–PC/ABS, Paint Bottom cover–Mg, power coat	LCD Back-PC+50%GF, Paint/Mg Upsell Bezel-PC/ABS + TPU Palm Rest-PC/ABS, Paint Base-PC/ABS, textured	**LCD Back-PC+20%CF, Paint (CFRP)** Bezel-PC/ABS + TPU Palm rest-PC/ABS, Paint **Base-PC+20%CF, textured (CFRP)**
OS	Windows 7 Pro/Ubuntu	Windows 7 Pro/8.1/Ubuntu	Windows 7 Pro/8.1/**10**/NeoKylin/Ubuntu
CPU	4th Generation Intel® Core™ up to i7 vPro	4th Gen Intel® Celeron and Core™ i3/i5 (U-15W) 5th Gen Intel® Celeron, up to Core™ i7 (U-15W) vPro, Pro WIDI	**6th Gen Skylake Intel**, up to Core™ i7 (U-15W) vPro **6th Gen Skylake Intel®** Core™ i5T, i5/i7 vPro **(H-35W) vPro**
Graphics	Intel® Integrated HD Graphics Optional 2GB AMD Radeon HD Graphics	Integrated Intel HD Graphics Optional 2GB DDR3 Discrete Gfx	Integrated Intel® HD Graphics **AMD Radeon™ 64bit Discrete Gfx**
Memory	Up to 16GB DDR3L SDRAM 1600MHz (2 DIMM)	Up to 16GB DDR3L 1600MHz (up to 2 DIMM)	Up to 16GB **DDR4** 2133MHz (Up to 2 DIMM)
Display	14.0" HD (1366 x 768) AG LED 14.0" HD+ (1600 x 900) AG LED	14.0" HD (1366 x 768) AG 14.0" HD+ (1600 x 900) AG LED 14.0" FHD (1920 x 1080) AG HD/FHD Corning® Gorilla® Glass NBT Touch Option	14.0" HD (1366 x 768) AG 14.0"HD+ (1600 x 900) AG LED 14.0" FHD (1920 x 1080) AG FHD Corning® Gorilla® Glass NBT Touch Options
Storage	HDD, Hybrid HDD, Opal FIPS SED SSD, Opal SED SSD	HDD, Hybrid HDD, 2.5" SSD, mSATA SSD, mSATA Opal SED, HDD FIPS SED, HDD FIPS, Hybrid FIPS SED	HDD, HDD FIPS SED, Hybrid HDD, 2.5" SSD, **M.2 SSD SATA, M.2 SATA Opal SED, M.2 SATA SED, M.2 SSD PCIe NVMe**
Optical Drive	DVD-ROM, DVD +/- RW	External only	External only
Keyboard	Single Standard non-Backlit Dual Point, Standard or Backlit	ISO Single Standard & ISO Dual Point Blacklit	ISO Single Standard & ISO Dual Point Backlit
Battery Whr	65Whr/90Whr	38Whr, 51Whr, 62Whr CRU Internal	**47 Whr**: U CPU, UMA only 62 Whr: U/H CPU CRU internal battery
I/O	HDMI, 4XUSB3.0, VGA, RJ-45, Memory Card Reader, Stereo Headset Jack, SIM	HDMI, 3XUSB3.0 (1 w/ PowerShare), VGA, RJ-45, SD 4.0, Universal Headset/Mic, Internal SIM	HDMI, 3XUSB 3.0 (1 w PowerShare), VGA, RJ-45, SD 4.0, Universal Headset/Mic, External SIM
Wireless	WLAN, BT, HSPA+	WLAN, BT, LTE, WiGig	WLAN, BT, LTE, WiGig

Gen over Gen Feature Comparison Cont.

Latitude 14 5000 Series

	Latitude E6440	Latitude 14 5000 Series (E5450)	Latitude 14 5000 Series (E5470)
Security	TPM 1.2 (FIPS 140-2) Control Vault Contactless Smart Card and Finger Print Reader (FIPS 201) Hardware Crypto Accelerator K lock slot DDP|Security Tools; DDP|Protected Workspace; DDP|Encryption FIPS 140-2	TPM 1.2 (FIPS 140-2), Optional Control Vault Optional Smart Card Reader (FIPS 201) Optional NFC, Contactless SC Reader (FIPS 201) Optional Swipe Finger Print Reader Optional HW Crypto Accelerator (FIPS 140-2 Level 3) K lock slot DDP|Security Tools DDP|Protected Workspace (1 yr Subscription) Optional DDP|E Encryption SW)	TPM 1.2/**2.0(Win10 only)** (FIPS 140-2) Optional Control Vault 2 (FIPS 140-2 Level 3) Optional Smart Card Reader (SPIR/FIPS 201) Optional NFC, Contactless SC Reader FIPS 201) Optional **Touch** Finger Print Reader Optional HW Crypto Accelerator (FIPS 140-2 Level 3) K lock slot DDP|Security Tools 2.0 DDP|Protected Workspace (1 yr Subscription) Optional DDP|E Encryption SW
Starting Weight	2.12kg / 4.68lbs	1.81kg / 3.98 lbs	3.81 lbs. / 1.73 kg (U CPU) 3.89 lbs. / 1.76 kg (H CPU)
Dimensions	338.0 x 31.8 x 232.6mm 13.3 x 1.25 x 9.16"	334.9 x 22.85 x 231.2 (Mg FHD) 334.9 x 23.1 x 231.15mm (HD) 13.2 x 0.9 x 9.1 (Mg FHD) 13.2 x 0.91 x 9.1" (HD)	334.9 x 23.2x 231.1mm (U CPU) 334.9 x 23.3 231.1 (H CPU) 13.2 x 0.9 x 9.1" (U CPU) 13.2 x 0.9 x 9.1" (H CPU)
Docking/Port Replication	Latitude E-docking	Latitude E-docking, Optional WiGiG dock, Non E-dock configuration	Latitude E-docking standard, Optional WiGig Dock
Peripheral Ecosystem		Dell E-Port Replicator, Dell 23 Monitor, Dell Wireless Keyboard & Mouse, Dell Professional Topload Carrying Case, Dell Power Companion	Dell E-Port Replicator, Dell 24 Monitor, Dell Wireless Keyboard & Mouse, Dell Professional Business Carrying Case, Dell Power Companion, Power Hub (45W, PRTS)

Gen over Gen Feature Comparison

Latitude 15 5000 Series

	Latitude E6540	Latitude 15 5000 Series (E5550)	Latitude 15 5000 Series (E5570)
Materials	LCD back–Al+Mg inner frame Bezel–PC/ABS + TPU Palm rest–PC/ABS, Paint Bottom cover–Mg, power coat	LCD Back-PC+50%GF, Paint/Mg Upsell Bezel-PC/ABS + TPU Palm Rest-PC/ABS, Paint Base-PC/ABS, textured	**LCD Back-PC+20%CF, Paint (CFRP)** Bezel-PC/ABS + TPU Palm rest-PC/ABS, Paint **Base-PC+20%CF, textured (CFRP)**
OS	Windows 7 Pro/Ubuntu	Windows 7 Pro/8.1/Ubuntu	Windows 7 Pro/8.1/**10**/NeoKylin/Ubuntu
CPU	4th Generation Intel® Core™ up to i7 vPro	4th Gen Intel® Core™ i3/i5 (U-15W) 5th Gen Intel® Celeron, up to Core™ i7 (U-15W) vPro, Pro WIDI	**6th Gen Skylake Intel®** up to Core™ i7 (U-15W) vPro **6th Gen Skylake Intel®** Core™ i5vPro, i7vPro **(H-35W) vPro**
Graphics	Intel® Integrated HD Graphics Optional 2GB AMD Radeon HD Graphics	Integrated Intel HD Graphics Optional 2GB DDR3 Discrete Gfx	Integrated Intel® HD Graphics **AMD Radeon™ 64 & 128bit Discrete Gfx**
Memory	Up to 16GB DDR3L SDRAM 1600MHz (2 DIMM)	Up to 16GB DDR3L 1600MHz (up to 2 DIMM)	Up to 16GB **DDR4** 2133 MHz (2 DIMM)
Display	15.6" HD (1366 x 768) AG LED 15.6" HD+ (1600 x 900) AG LED	15.6" HD (1366 x 768) AG 15.6" FHD (1920 x 1080) AG HD/FHD Corning® Gorilla® Glass NBT Touch Option	15.6" HD (1366 x 768) AG 15.6" FHD (1920 x 1080) AG FHD Corning® Gorilla® Glass NBT Touch Options
Storage	HDD, Hybrid HDD, Opal FIPS SED SSD, Opal SED SSD	HDD, Hybrid HDD, 2.5" SSD, mSATA SSD, mSATA Opal SED, HDD FIPS SED, HDD FIPS, Hybrid FIPS SED	HDD, HDD FIPS SED, Hybrid HDD, 2.5" SSD, **M.2 SSD SATA, M.2 SATA Opal SED, M.2 SATA SED, M.2 SSD PCIe NVMe**
Optical Drive	DVD-ROM, DVD +/- RW	External only	External only
Keyboard	Single Standard non-Backlit Dual Point, Standard or Backlit	ISO Dual Point Standard & Blacklit	ISO Dual Point Standard & Backlit
Battery Whr	60Whr/87Whr/97Whr	38Whr, 51Whr, 62Whr CRU Internal	U CPU: 47Whr (UMA only) H CPUs: 62Whr; U/H CPUs: 62 Whr LLC 15 H CPU: 84 Whr (M.2 only); CRU Internal
I/O	HDMI, 4XUSB3.0, VGA, RJ-45, Memory Card Reader, Stereo Headset Jack, SIM	HDMI, 3XUSB3.0 (1 w/ PowerShare), VGA, RJ-45, SD 4.0, Universal Headset/Mic, Internal SIM	HDMI, 3XUSB 3.0 (1 w PowerShare), VGA, RJ-45, SD 4.0, Universal Headset/Mic, External SIM
Wireless	WLAN, BT, HSPA+	WLAN, BT, LTE, WiGig	WLAN, BT, LTE, WiGig

Gen over Gen Feature Comparison Cont.

Latitude 15 5000 Series

	Latitude E6540	Latitude 15 5000 Series (E5550)	Latitude 15 5000 Series (E5570)
Security	TPM 1.2 (FIPS 140-2) Control Vault Contactless Smart Card and Finger Print Reader (FIPS 201) Hardware Crypto Accelerator K lock slot DDP|Security Tools DDP|Protected Workspace DDP|Encryption FIPS 140-2	TPM 1.2 (FIPS 140-2), Optional Control Vault Optional Smart Card Reader (FIPS 201) Optional NFC, Contactless SC Reader (FIPS 201) Optional Swipe Finger Print Reader Optional HW Crypto Accelerator (FIPS 140-2 Level 3) K lock slot DDP|Security Tools DDP|Protected Workspace (1 yr Subscription) Optional DDP|E Encryption SW)	TPM 1.2/**2.0(Win10 only)** (FIPS 140-2) Optional Control Vault 2 (FIPS 140-2 Level 3) Optional Smart Card Reader (SPIR/FIPS 201) Optional NFC, Contactless SC Reader FIPS 201) Optional **Touch** Finger Print Reader Optional HW Crypto Accelerator (FIPS 140-2 Level 3) K lock slot DDP|Security Tools 2.0 DDP|Protected Workspace (1 yr Subscription) Optional DDP|E Encryption SW
Starting Weight	2.4kg / 5.2lbs	2.1kg / 4.71 lbs	4.44 lbs. / 2.01 kg (U CPU) 3.89 lbs. / 1.76 kg (H CPU)
Dimensions	379.00 x 33.4 x 250.5mm 14.9 x 1.3 x 9.9"	376.9 x 23.6 x 255.2 (HD) 14.8 x 0.93 x 10.0" (HD) 376.9 x 23.45 x 255.2 (Mg FHD) 14.8 x 0.92 x 10.0" (Mg FHD)	377.1 x 23.8 x 252.6mm (U CPU) 14.8 x 0.9 x 9.9 (U CPU) 377.1 x 23.3 x 252.6mm (H CPU) 14.8 x 1.0 x 9.9" (H CPU)
Docking/Port Replication	Latitude E-docking	Latitude E-docking, Optional WiGiG dock, Non E-dock configuration	Latitude E-docking standard, Optional WiGig Dock, Optional Type C docking
Peripheral Ecosystem		Dell E-Port Replicator, Dell 23 Monitor, Dell Wireless Keyboard & Mouse, Dell Professional Topload Carrying Case, Dell Power Companion	Dell E-Port Replicator, Dell 24 Monitor, Dell Wireless Keyboard & Mouse, Dell Professional Business Carrying Case, Dell Power Companion, Power Hub (45W, PRTS)

Latitude 5000 Series (E5x50)

Fully-featured business-class mobile workhorse in a beautiful thin and light design.

Key features	Why it matters
Thin and light	Dell's thinnest and lightest mainstream laptop yet by up to 30%, with the 12-inch starting at 3.4lbs and 22.7mm Z height.
Built with premium materials	Built with Glass Fiber Reinforced Polymer/Magnesium, designed to survive challenging physical environments. Additionally, the Latitude 5000 Series undergoes extensive MIL-STD 810G testing.
Optional touch display	Dell touch-enabled displays offer optimal viewing experience, touch sensitivity, brightness and durability with edge-to-edge Corning® Gorilla® Glass NBT™, plus 10x scratch resistance. (Edge to edge is only available on 12")
Best-in-class reliability	Built to last, with spill-proof keyboard and vigorous anodized hinge solution, plus an optional structure-enhanced optional Magnesium display cover. Your device is also backed by enterprise-level Dell ProSupport Plus for 24x7 access to expert support to minimize downtime,
All-day battery life	Power through your work day with up to 9 hours battery life (with the optional 4-cell battery), and with the optional Dell Power Companion, get up to 28 hours and 2 minutes (with 4-cell battery, 128 mSATA, UMA graphics).
Elite connectivity experience	Compatible with the E-family docking station or choose the Dell Wireless Dock, for seamless high-speed wireless docking through Intel® WiGig technology powering up to two external displays, keyboard, mouse, audio and other peripherals for a desktop free of wires. Also, Intel® Pro Wireless Display technology (Intel® Pro WiDi) allows users to connect wirelessly to projectors and displays with the security and configuration capabilities IT requires.

Recommended Accessories

Dell E-Port Replicator
Achieve full desktop functionality with one simple connection

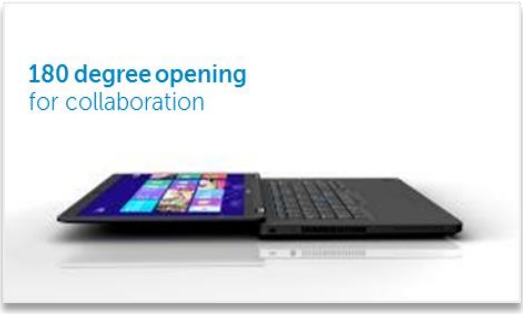
Dell 23 Monitor – P2314H
Bring your work to life with color clarity and a variety of adjustability features

Dell Wireless Keyboard & Mouse – KM636
Create in a clutter-free workspace clear of cables

Dell Professional Topload Carrying Case
Comfortably carry whatever you need for the day

Dell Power Companion
Charge multiple devices simultaneously, and extend battery life while on-the-go

Latitude 5000 Series: 30% thinner and lighter with premium features



The world's most durable mainstream with enhanced materials & structure

Durable display bezel with double injected Elastomer bumper
Avoid scratches on palmrest and screen during travel

Structure enhanced magnesium display cover
Provides durable structure without burdening weight.

ISO keyboard
Full key travel with durable finish

Vigorous anodized aluminum hinge solution
Tested under Dell durability specs for rotation cycle, display wobble and drop test

Metal keyboard support
Provides rigid support for keyboard

Structure enhanced logic
Firm structure design with glass fill molded solution provides sturdy structure for the chassis

Durable bottom door
Glass fill molded door provides firm support to the chassis

Latitude 3000 Series (3x50)

Performance you can rely on. For small and growing businesses who want a secure, easily managed and reliable laptop.

Key features	Why it matters
Essential features for mobile performance	Get up to 16GB of memory and 1TB of HDD or Hybrid storage options. Modern desktop performance is never far away with optional touch screen, plus USB 3.0 and 2.0 docking capability, RJ45, HDMI and VGA. Work seamlessly in low-lighting situations with optional backlit keyboard.
Outstanding reliability	More durable than its predecessor, and part of the most durable laptop family, it features a durable, built-to-last chassis that has undergone extensive MIL-STD 810G testing and is backed by enterprise-class support and services, including optional Dell ProSupport Plus.
Best-in-class security with Dell Data Protection | Encryption*	Dell Data Protection | Encryption protects your data across all endpoints, including external media and in public cloud storage. Stop advanced malware in its tracks with DDP | Protected Workspace and enable advanced authentication options with DDP | Security Tools.
World's most manageable with Dell Client Command Suite tools and Dell Configuration & Deployment Services	Dell builds management capabilities into our Latitude portfolio to make the most of your hardware investment, and with the new Dell Client Command Suite, our free automation tools help simplify IT time spent on deploying, monitoring and updating systems. We also offer five generations of updates, and with Latitude's single-door access, you can easily upgrade internal components.
Optional touch display	Dell touch-enabled displays offer optimal viewing experience, touch sensitivity, brightness and durability with edge-to-edge Corning® Gorilla® Glass NBT™.
All-day battery life	Power through your work day with up to 10 hours battery life (with the optional 4-cell battery), and with the optional Dell Power Companion, get up to 18 hours and 13 minutes (with 4-cell battery, 500GB 7200 rpm SATA3).

Recommended Accessories

Dell Monitor Stand with Port Replicator – MKS14
Achieve full desktop functionality

Dell Monitors – P2214H or P2414H
Bring your work to life with color clarity and a variety of adjustability features

Dell Wireless Keyboard & Mouse – KM636
Create in a clutter-free workspace clear of cables

Dell Professional Topload Carrying Case
Comfortably carry whatever you need for the day

Precision

New Precision mobile workstations

	Precision 15 3000 Series (3510	Precision 15 5000 Series (5510)	Precision 15 7000 Series (7510)	Precision 17 7000 Series (7710)
Screen size	15.6"	15.6"	15.6"	17.3"
Processor	Intel® Core™ (Intel® Xeon® mobile coming early 2016)	Intel® Core™ and the world's first Intel® Xeon® mobile	Intel® Core™ and the world's first Intel® Xeon® mobile	Intel® Core™ and the world's first Intel® Xeon® mobile
Graphics	AMD FirePro™	NVIDIA Quadro®	NVIDIA Quadro® or AMD FirePro™	NVIDIA Quadro® or AMD FirePro™
Storage	Up to 1TB	Up to 2TB	Up to 3TB	Up to 4TB
Starting weight	4.92 lbs. | 2.23 kg	3.93 lbs. | 1.78 kg	6.16 lbs. | 2.79 kg	7.55 lbs. | 3.42 kg
Positioning	Affordable, fully configurable 15"" mobile workstation in a thin and light design.	Thinnest, lightest, smallest 15" mobile workstation featuring a PremierColor 4K InfinityEdge display. .	Dell's most powerful 15" mobile workstation, featuring Intel® processors and a PremierColor 4K Ultra HD display.	Dell's most powerful 17" mobile workstation, featuring Intel® processors and a PremierColor 4K Ultra HD display.

Precision mobile workstations

Performance

Precision delivers the world's most powerful mobile workstations with the very latest technologies. No job is too big with the latest Intel® Core® and the world's first Intel® Xeon® processors for mobile, professional-grade graphics, amazing displays and robust memory and storage options. Precision Optimizer works with some of the most popular Independent Software Vendor (ISV)-applications and automatically tunes your workstation to run specific programs at the fastest speeds possible, enhancing productivity.

Innovative Design

From the world's thinnest and lightest mobile workstation to the world's most powerful, Dell offers a variety of choices to deliver to your unique needs. Made with premium materials and state-of-the art features Precision workstations are impressive on the inside and out.

Reliability

Precision workstations are tested, certified and supported to deliver optimum reliability and maximum uptime. Long lifecycles and transitions enable simple planning for future product roll-outs, while ImageWatch™ gives advanced views of software and hardware changes. Dell solutions are certified by our independent software vendor (ISV) partners to provide assurance that specific hardware and software combinations meet key performance and reliability criteria and to guarantee accountability and support for certified configurations. All Precision workstations are backed by Dell's award-wining support services. Optional ProSupport Plus is the only complete support that combines proactive resolution, automated prevention and protection for PCs and tablets.

Dell has it. HP doesn't.

Outstanding performance & reliability

Designed from the inside out for superior performance with certified dependability	Precision	HP ZBook
Precision 7000 Series (7510/7719(are the world's most powerful mobile workstations	✓	✗
Precision 5000 Series (5510) is the world's smallest, thinnest and lightest 15" mobile workstation	✓	✗
Precision Optimizer boosts performance of select applications and now has SCCM integration	✓	✗
Precision 7000 Series features optional RAID 5 storage for speed and redundancy	✓	✗

More Secure

World's most secure mobile workstations		
Dell Precision workstations are the world's most secure mobile workstations	✓	✗
TPM 2.0 specifications available withadditional cryptographic services for enhanced security	✓	✗
Dedicated security model with both a smartcard reader and biometric fingerprint reader	✓	✗

More Manageable

Management features to optimize business productivity		
Dell ProSupport Plus, option for proactive & predictive support, Next Business Day Onsite Service after remote diagnosis with 24x7x365 tech-to-tech support	✓	✗
SCCM extensions for one-to-many out-of-band BIOS management and monitoring with Intel®vPro™	✓	✗

Precision Optimizer

A unique technology available on Precision workstations. Dell Precision Optimizer is also available on Precision Fixed Workstations.

- Automatic tuning of workstation settings to enhance performance of select applications
- Keeps workstation up to date with latest driver, software, & firmware updates
- Track and report on system utilization to proactively manage potential issues
- SCCM integration for remote management & deployment

Preconfigured settings for:

- Adobe Creative Cloud®
- Adobe® Photoshop® CS/CC
- Adobe® Premiere® Pro CS/CC
- Adobe® After Effects® CS/CC
- Adobe® Media Encoder® CS/CC
- Autodesk® AutoCAD®
- Autodesk® Maya®
- Dassault Systèmes SolidWorks®
- Dassault Systèmes CATIA
- PTC® Creo®
- Siemens NX™
- And more

Discover more about the Dell Precision Optimizer and download it on dell.com

Dell - Internal Use - Confidential

Available Nov. 2015

NEW Precision 17 7000 Series (7710)

The worlds most powerful 17" mobile workstation, completely re-designed to look as good as it performs

Key features	Why it matters
6th Generation Intel Core i5 and i7 and world's first Xeon mobile processors	Provide the power to extract maximum performance from the demanding professional software you rely on to do your job.
Redundant and more revolutionary thermal cooling solution.	Takes performance and comfort to never before seen levels in portable workstations. A cooling solution so advanced, your most processor-intensive applications will benefit from never dropping out of turbo frequencies.
PremierColor 17" 4K display and touch display	View, create and edit your work in perfect clarity on the new, optional 4K Ultra HD display that offers a whole new level of eye-popping detail with over 8 million pixels — that's three million more pixels than a Retina display and 100% Adobe RGB color gamut.
Up to 4TB storage, using ultra-fast PCIe SSDs, including RAID 0/1/5 support.	Easily store, transfer and access large and complex 3D, multimedia and video project files with the speed and reliability of up to 4TB of solid state drive technology.
High-end NVIDIA and AMD graphics options	Responsive AMD FirePro™ and NVIDIA Quadro® graphics options with up to 8GB of GDDR5 memory keep pace with demanding 3D rendering and other graphics-intensive tasks.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
ISV Certifications	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Thunderbolt Dock (Jan)
One cable, one dock for all your Thunderbolt enabled platforms (E-family 240W dock also available)

Targus 17"Drifter Backpack
Comfortably carry whatever you need for the day

Dell UltraSharp 32" Ultra HD Monitor with Premier Color (UP3216Q)
Bring your work to life with color clarity and a variety of adjustability features

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Gen over Gen Feature Comparison

Precision M6800 and Precision 7710

Platform	Precision M6800	Precision 7710
LCD enclosure	Anodized aluminum	**Carbon Fiber**
Weight and dimensions	Weight: Starting at 7.86lbs Dimensions: 16.41" x 10.65" x 1.44-1.59" (416.7mm x 270.6mm x 36.45-40.4mm)	Weight: **Starting at 7.55lbs (3.42) with SSD.** Dimensions: Width X = 16.42" (417.04mm) x Depth Y = 11.08" (281.44mm) x **Height z = front 1.12" (28.5mm) – rear 1.36" (34.49mm)**
ID Highlights	Aluminum over magnesium	**Carbon fiber with aluminum trim ring**
Processor/Chipset	Haswell H 2-chip Lynx Point QM87 PCH	**Sky Lake H 2-chip** **Sky Lake CM236 PCH**
iGP	Haswell GT2	**Sky Lake GT2/GT4e with eDRAM**
Memory	Up to 32GB DDR3L up to 1600MHz Up to 16GB overclocked 1866MHz	**Up to 64GB DDR4 up to 2133MHz** Up to 32GB DDR4 with ECC up to 2133MHz Up to 32GB DDR4 overclocked 2667MHz
LCDs	HD+ 1600x900 AG FHD 1920x1080 AG FHD 1920x1080 edge to edge touch screen	FHD 1920x1080 AG 300nits 72% color gamut **UHD 3840x2160 AG 350nits 100% adobe color gamut typical**
Keyboard	P4/P5 extended keyboard with point stick	**E6 extended keyboard with point stick** **Chiclet style keycap shape**
Touchpad	P4/P5 3-button touchpad (80x45mm active area)	**E7 3-button touchpad** **(99.5x53mm active area)**
Optical Drive	Support for 9.5mm ODD	No ODD support
Second internal HDD	Yes	Yes, 2nd HDD bay replaced with a second M.2 card slot to support more SSD storage
Thunderbolt	No	**Yes**
Battery	Cylindrical cells 61Wh w/ Express Charge 91Wh w/ Express Charge 91Whr long life cycle	Polymer packs **6-cell, 72 Wh w/ Express Charge** 6-cell, 91 Wh w/ Express Charge **6-cell, 89 Wh long life cycle**
Battery life	Up to 9 hours	Up to **13 hours** battery life with a 91 WHr battery, FHD, switchable graphics enabled and Windows 8.1*.
USB connectors	Four USB 3.0 one w/ PowerShare, one USB 2.0/eSATA	Four USB 3.0, all w/ PowerShare **Thunderbolt 3 w/USB 3.1 type-C connector**
HDMI connectors	One DP 1.4a (up to 4Kx2K@30Hz)	**HDMI 1.4a (4Kx2K, 30Hz) w/ HDCP 1.4 only (no 4K protected content)**
DisplayPort connectors	One DP 1.2 (up to 4Kx2K@60Hz)	**One MiniDP 1.2 (up to 4Kx2K@60Hz)**
Slice battery support	E4/P4/P5 9-cell common battery slice	No slice battery support

Gen over Gen Feature Comparison

Precision M6800 and Precision 7710

Platform	Precision M6800	Precision 7710
Expresscard	Yes, 54mm	No
eSATA	Notebook eSATA port, Dock eSATA support	eSATA support in E-Port docking stations only
Internal Card Support	Mini Card slots: One HMC (WLAN/BT/WiGig) One FMC (mSATA or WWAN/LTE)	**M.2 card slots:** **One 30x30mm Socket 1: WLAN/BT** **One 30x42mm Socket 2: WWAN, HCA, cache** **One 22x80mm Socket 3: SSD (SATA / x4 PCIe)** **One 22x80mm Socket 4: SSD (SATA / x4 PCIe)**
Docking	E-Port Port Replicator E-Port Plus Advanced Port Replicator	E-Port Port Replicator E-Port Plus Advanced Port Replicator **Next Gen Thunderbolt dock (requires Thunderbolt option)**

Target EOL Q2 CY16

Precision M6800 Mobile

The world's most powerful 17" workstation with robust features in a mobile design

Key features	Why it matters
4th Generation Intel Core i5 and Intel Core i7 Processors with optional vPro	No task is too big. The Precision M6800 Mobile Workstation delivers no-holds-barred processing capabilities with high-performance 4th Generation Intel® Core™ i7 and Intel® Core™ i5 processor options.
Powerful professional graphics with your choice of AMD FirePro or NVIDIA Quadro graphics with up to 8GB of GDDR5 memory	Responsive AMD FirePro™ and NVIDIA Quadro® graphics options with up to 8GB of GDDR5 memory keep pace with demanding 3D rendering and other graphics-intensive tasks.
Choose from AMD Enduro or NVIDIA Optimus technologies	Brains and brawn. Ratchet up graphics performance when you need it, and save battery power when you don't.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
RAID configurations available	Maximize storage performance and reliability with available RAID configurations across three drives.
17.3" FHD display with touch option	Your optional touch display isn't just amazing to look at — it's phenomenal to work on. Multitask with a swipe, tap or drag of your fingers.
ISV Certification	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Dell UltraSharp 24 Ultra HD Monitor - UP2414Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Advanced Port Replicator
Simplify connections to your keyboard, mouse and up to four monitors and transfer data quickly with two USB 3.0 ports.

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Targus 17" Drifter Backpack
The ideal combination of style and protection, this backpack features a padded laptop compartment to keep your device safe and secure

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Available Nov. 2015

NEW Precision 15 7000 Series (7510)

The worlds most powerful 15" mobile workstation, completely re-designed to look as good as it performs

Key features	Why it matters
6th Generation Intel Core i5 and i7 and world's first Xeon mobile processors	Provide the power to extract maximum performance from the demanding professional software you rely on to do your job.
Redundant and more revolutionary thermal cooling solution.	Takes performance and comfort to never before seen levels in portable workstations. A cooling solution so advanced, your most processor-intensive applications will benefit from never dropping out of turbo frequencies.
PremierColor 15" 4K display and touch display	View, create and edit your work in perfect clarity on the new, optional 4K Ultra HD display that offers a whole new level of eye-popping detail with over 8 million pixels — that's three million more pixels than a Retina display and the world's first 100% minimum Adobe RGB color gamut.
Up to 3TB storage, including ultra-fast PCIe SSDs RAID 0/1 supported.	Easily store, transfer and access large and complex 3D, multimedia and video project files with the speed and reliability of up to 3TB of solid state drive technology.
Advanced NVIDIA and AMD graphics options	Responsive AMD FirePro™ and NVIDIA Quadro® graphics options with up to 4GB of GDDR5 memory keep pace with demanding 3D rendering and other graphics-intensive tasks.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
ISV Certifications	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Thunderbolt Dock (Jan)
One cable, one dock for all your Thunderbolt enabled platforms (E-family 240W dock also available)

Targus 16"Drifter Backpack
Comfortably carry whatever you need for the day

Dell UltraSharp 32" Ultra HD Monitor with Premier Color (UP3216Q)
Bring your work to life with color clarity and a variety of adjustability features

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Gen over Gen Feature Comparison

Precision M4800 and Precision 7510

Platform	Precision M4800	Precision 7510
LCD enclosure	Anodized aluminum	**Carbon Fiber**
Weight and dimensions	Weight: Starting at 6.35lbs Dimensions: Previous generation: 14.80" x 10.08" x 1.29-1.37" ; 376mm x 256mm x 36.25mm-39.9mm x	Weight: **Starting at 6.16lbs (2.79kg)** Dimensions: Width X = 14.88" (378mm) x Depth Y = 10.38" 261mm x **Height Z = front 1.09" (27.76mm) – rear 1.3" (33mm)**
ID Highlights	Aluminum over magnesium	**Carbon fiber with aluminum trim ring**
Processor/Chipset	Haswell H 2-chip Lynx Point QM87 PCH	**Sky Lake H 2-chip** **Sky Lake CM236 PCH**
iGP	Haswell GT2	**Sky Lake GT2/GT4e with eDRAM**
Memory	Up to 32GB DDR3L up to 1600MHz Up to 16GB overclocked 1866MHz	**Up to 64GB DDR4 up to 2133MHz** Up to 32GB DDR4 with ECC up to 2133MHz Up to 32GB DDR4 overclocked 2667MHz
LCDs	HD 1366x768 AG FHD 1920x1080 AG UHD 3840x2160 AG 100% adobe color gamut typical	FHD 1920x1080 AG 220nits 45% color gamut FHD 1920x1080 AG 300nits 72% color gamut **FHD 1920x1080 with edge to edge touch** UHD 3840x2160 AG 350nits 100% adobe color gamut typical
Keyboard	P4/P5 extended keyboard with point stick	**E6 extended keyboard with point stick** **Chiclet style keycap shape**
Touchpad	P4/P5 3-button touchpad (80x45mm active area)	**E7 3-button touchpad (99.5x53mm active area)**
Optical Drive	Support for 9.5mm ODD	No ODD support
Thunderbolt	No	Yes
Battery	Cylindrical cells 61Wh w/ Express Charge 91Whw/ Express Charge 91Whr long life w/ Express Charge	**Polymer packs** **6-cell, 72 Wh w/ Express Charge** 6-cell, 91 Wh w/ Express Charge **6-cell, 89 Wh long life cycle**
Battery life	Up to 10 hours	up to **13 hours** battery life with a 91 WHr battery, FHD, switchable graphics enabled and Windows 8.1
USB connectors	Four USB 3.0 one w/ PowerShare, one USB 2.0/eSATA	Four USB 3.0, all w/ PowerShare **Thunderbolt 3 w/USB 3.1 type-C connector**
HDMI connectors	HDMI 1.4a (297 MHz/4Kx2K@30Hz)	HDMI 1.4a (4Kx2K, 30Hz) **w/ HDCP 1.4 only (no 4K protected content)**
DisplayPort connectors	One DP 1.2 (up to 4Kx2K@60Hz)	One MiniDP 1.2 (up to 4Kx2K@60Hz)

Gen over Gen Feature Comparison

Precision M4800 and Precision 7510

Platform	Precision M4800	Precision 7510
Slice battery support	E4/P4/P5 9-cell common battery slice	No slice battery support
Expresscard	Yes, 54mm	No
eSATA	Notebook eSATA port, Dock eSATA support	eSATA support in E-Port docking stations only
Internal Card Support	Mini Card slots: One HMC (WLAN/BT/WiGig) One FMC (mSATA or WWAN/LTE)	**M.2 cards slots:** **One 30x30mm Socket 1: WLAN/BT** **One 30x42mm Socket 2: WWAN, HCA, cache** **One 22x80mm Socket 3: SSD (SATA / x4 PCIe)**
Docking	E-Port Port Replicator E-Port Plus Advanced Port Replicator	E-Port Port Replicator E-Port Plus Advanced Port Replicator **Next Gen Thunderbolt dock (requires Thunderbolt option)**

Target EOL Q2 CY16

Precision M4800 Mobile

The world's most powerful 15" workstation with robust features in a mobile design

Key features	Why it matters
4th Generation Intel Core i5 and Intel Core i7 Processors with optional vPro	No task is too big. The Precision M4800 Mobile Workstation delivers no-holds-barred processing capabilities with high-performance 4th Generation Intel® Core™ i7 and Intel® Core™ i5 processor options.
Powerful professional graphics with your choice of AMD FirePro or NVIDIA Quadro graphics with 2GB of GDDR5 memory	Responsive AMD FirePro™ and NVIDIA Quadro® graphics options with up to 2GB of GDDR5 memory keep pace with demanding 3D rendering and other graphics-intensive tasks.
Choose from AMD Enduro or NVIDIA Optimus technologies	Brains and brawn. Ratchet up graphics performance when you need it, and save battery power when you don't.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
Optional 15.6" UHD display	Your work will look its best on the incredibly vivid 15.6" display, available with up to UHD 3840x2160 resolution.
ISV Certification	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Dell UltraSharp 24 Ultra HD Monitor - UP2414Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Advanced Port Replicator
Simplify connections to your keyboard, mouse and up to four monitors and transfer data quickly with two USB 3.0 ports.

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Targus 16" Drifter Backpack
The ideal combination of style and protection, this backpack features a padded laptop compartment to keep your device safe and secure

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Available Nov. 2015

NEW Precision 15 5000 Series (5510)

The thinnest (17mm thin), lightest (under 4 pounds,) and smallest 15" (InfinityEdge display) workstation in the world

Key features	Why it matters
6th Generation Intel Core i5 and i7 and world's first Xeon mobile processors	Provide the power to extract maximum performance from the demanding professional software you rely on to do your job.
The world's first InifinityEdge display with a 4K PremierColor panel	Pack more amazing into less space. The world's first 15" InfinityEdge display packs 8 million pixels into a full-sized 15" screen without all the extra bezel. PremierColor technology guarantees you 100% of the AdobeRGB gamut minimum and out-of-the-box calibration so you can be confident your work is presented true-to-life in incredible detail.
Redundant and more efficient thermal cooling solution.	Power through processor-hungry professional programs by enabling your processor to stay in increased frequency turbo modes longer – minimizing the time you need to chew through complex models and simulations.
Up to 2TB SSD storage, using ultra-fast PCIe SSDs.	Easily store, transfer and access large and complex 3D, multimedia and video project files with the speed and reliability of up to 2TB of solid state drive technology.
NVIDIA Quadro M1000M with 2GB GDDR5	From rendering to complex modeling, you'll notice an incredible performance boost thanks to NVIDIA® Quadro M1000M graphics with 2GB memory.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
ISV Certifications	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Thunderbolt Dock (Jan)
One cable, one dock for all your Thunderbolt enabled platforms

Targus 16"Drifter Backpack
Comfortably carry whatever you need for the day

Dell UltraSharp 32" Ultra HD Monitor with Premier Color (UP3216Q)
Bring your work to life with color clarity and a variety of adjustability features

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

Resources

Product Overview Video | Apple Compete Video
Why Workstations eGuide | Workstation Advisor |

Gen over Gen Feature Comparison

Precision M3800 and Precision 5510

Platform	Precision M3800	Precision 5510
Display	15.6" Touch FHD, 400nits, Bonded Glass ETED 15.6" Touch UHD,400nits, Bonded Glass ETED 400nits, 72% Color Gamut, 800:1 Contrast Ratio, 80/80/80/80 angles	**15.6" Non-Touch Infinity FHD, 400nits, Bezel, Anti-Glare** **15.6" Touch UHD InfinityEdge, 400nits, Bonded Glass ETED, 400nits, 100% Color Gamut, 1200:1 Contrast Ratio, 85/85/85/85 angles**
Architecture	Haswell H	**SkyLake H CM236**
Weight and dimensions	Weight: Starting at 4.15lbs Dimensions (HxWxD): 0.31"-0.71" (front to back) x 14.65" x 10.00"; 8mm-18mm x 372mm x 254mm (excludes feet)	Weight: **Starting at 3.93lbs (1.78kg)**with UHD non-touch panel and SSD Dimensions: **Width X = 14.06" (357.23mm) x Depth Y= 9.27" (235.47mm) x Height Z= front 0.45" (11.48mm) – rear 0.66" (16.82mm)**
Graphics	Intel Haswell GT2 NVidia K1100M 2GB GDDR5	Intel SkyLake GT2 **NVIDIA M1000M 2GB GDDR5**
Memory	8-16GB DDR3L 1600MHz (2xSoDIMM)	**8-32GB DDR4 2133MHz (2xSoDIMM)** **Add 16GB 2667MHz overclocked memory**
Storage	mSATA Flash up to 1TB – OR – 500GB or 1TB HDD	**M.2 PCIe NVMe up to 1TB – AND/OR – 1TB SSD/1TB HDD**
Camera	HD H.264 via Skype	HD H.264 via Skype
Keyboard / TouchPad	Full Size, Backlit, 1.4mm Travel	Full Size, Backlit**, 1.3mm** Travel; **Precision TouchPad**
Battery life	6hrs Wireless Web Browsing (with HDD) (61Whr) 11hrs Wireless Web Browsing (with SSD) (91Whr)	Up to **16 hours** of battery life with an 81WHr battery, FHD, discrete graphics and Windows 10*..
I/O Ports	2x USB 3.0, 1x USB 2.0 (3x Powershare), Thunderbolt 2.0, HDMI, Headset, Battery Gauge, SD-Card, Noble Lock	**1xType C Thunderbolt 3**, 2xUSB 3.0 (2x Powershare), HDMI, Headset, Battery Gauge, SD-Card, Kensington Lock
Networking / Comms	Intel 802.11ac/BT4.0/WiDi (i7260)	Intel 802.11ac/**BT4.1**/WiDi Dell Wireless 802.11ac/**BT4.1**/WiDi
Intel Technologies	iSCT, iRST, iIPT	iSCT, iRST, iIPT; vPro
Operating System	Win8.1; Win7 CABs, Ubuntu	**Win10** Win7, Ubuntu, **RHEL**
BIOS	Non-Dell BIOS	**Dell BIOS – Full Manageability**
AC Adapter	X130W / Merckx	X130W / Merckx
Docking	USB 3.0 dock, Thunderbolt dock	Commercial grade docking with **new Dell Wired Thunderbolt dock (Jan, 2016)**

Target EOL Q2 CY16

Precision M3800 Mobile

The world's thinnest and lightest 15" mobile Workstation with the performance your creations need

Key features	Why it matters
The world's thinnest and lightest 15" 4.1lbs and 18mm thin	Large projects are easier than ever to carry anywhere. The Precision M3800 is super thin and lightweight, yet offers full-blown Workstation performance — all packed into a carbon fiber and aluminum design you'll be proud to carry.
Premium materials including carbon fiber, Corning Gorilla Glass, and aluminum	Form follows function when cutting edge materials combine to realize real-world advantages like lightweight portability, increased structural rigidity, and cool to the touch surfaces.
Best screen quality with up to UHD 4K resolution and over 8M pixels (3M more pixels than Retina)	View, create and edit your work in perfect clarity on the new, optional 4K Ultra HD display that offers a whole new level of eye-popping detail with over 8 million pixels — that's three million more pixels than a Retina display.
4th Generation Intel Core i7 Processors	4th gen Intel® Core™ i7 processors provide the power to extract maximum performance from the demanding professional software you rely on to do your job.
Professional graphics NVIDIA Quadro K1100M	From rendering to complex modeling, you'll notice an incredible performance boost thanks to NVIDIA® Quadro K1100M graphics with 2GB memory.
Touch display – 10 point	Pinch, drag and swipe your way through applications like Adobe Creative Cloud with 10-finger touch capability that enables a new, immersive way to interact with your Workstation. Touch displays help you create and present in imaginative ways.
Up to 2TB SSD storage	Easily store, transfer and access large and complex 3D, multimedia and video project files with the speed and reliability of up to 2TB of solid state drive technology.

Recommended Accessories

Dell UltraSharp 32" Ultra HD Monitor with Premier Color - UP3214Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Dell Super Speed USB3.0 Docking Station – D3100
Easily connect your Workstation to the devices at your desk with support for triple display output and Ultra HD (4K2K) monitors

Targus 16" Drifter Backpack
The ideal combination of style and protection, this backpack features a padded laptop compartment to keep your device safe and secure

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

ITProPortal BEST BUY

Available Nov. 2015

NEW Precision 15 3000 Series (3510)

Thin and light + powerful and affordable

Key features	Why it matters
6th Generation Intel Core i5 and i7 processors	Latest Intel Skylake processors options deliver outstanding price performance for workstation applications.
HD, FHD and Touch Panel options	Variety of Panel options to choose from, ranging from affordable HD Panel to a high resolution FHD Panel and FHD touch Panel.
More storage choices	Choice of up to 1TB PCIe NVMe SSD Storage that offers a very high performance and affordable 1TB 2.5" SATA drive option to cater to customers' storage requirements.
Professional graphics – AMD W5130M with 2GB GDDR5	AMD FirePro W5130M Graphics provides superior performance over a consumer graphics card and is ISV certified for running professional applications.
New lighter and thinner design starting at 4.92lbs	Completely re-designed chassis, significantly thinner and lighter - built with enhanced carbon fiber reinforced polymer for superior durability without the weight
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
ISV Certifications	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Thunderbolt Dock (Jan)
One cable, one dock for all your Thunderbolt enabled platforms (E-family 240W dock also available)

Targus 16"Drifter Backpack
Comfortably carry whatever you need for the day

Dell 27 Ultra HD Display P2715Q
Bring your work to life with color clarity and a variety of adjustability features

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Gen over Gen Feature Comparison

Precision M2800 and Precision 3510

Platform	Precision M2800	Precision 3510
LCD enclosure	Mg-Al	**Carbon Fiber Reinforced Polymer**
Weight and dimensions	Weight: Starting at 5.64lbs Dimensions: Width: 379.00 mm (14.92 inches) Height: 33.4mm (1.31 inches) Depth: 250.50 mm (9.86 inches)	Weight: Starting at **4.92lbs (2.23kg)** with a 4-cell battery and HD non-touch panel Dimensions: Width X = 14.61" (377.1mm) x Depth Y= 9.94" (252.6mm) x **Height Z= 0.97" (24.55mm)**
Processor/ Chipset	Haswell M 2-chip Lynx Point QM87 PCH	**Sky Lake H 2-chip (35W only)- Core i5/i7** **Sky Lake CM236 PCH**
iGP	Haswell GT2	**Sky Lake GT2**
Memory	Up to 16GB DDR3L NECC up to 1600MHz	**Up to 32GB DDR4 NECC/ECC up to 2133MHz**
LCDs	HD 1366x768 AG 200nits, 45% color gamut FHD 1920x1080 AG 300nits, 60% color gamut	HD 1366x768 AG **220**nits 45% color gamut FHD 1920x1080 AG 300nits 72% color gamut **FHD 1920x1080 touch, 270nits**
Keyboard	P4/P5 extended keyboard with point stick	**E6 extended keyboard with point stick** **Chiclet style keycap shape**
Touchpad	E6 2-button touchpad (90x44mm active area)	**E7 2-button touchpad**
USB connectors	Four USB 3.0, one w/ PowerShare	Three USB 3.0, (support PowerShare on one port) **USB 3.1 Type-C supported on Thunderbolt connector**
HDMI connectors	HDMI 1.2 (1920x1080@60Hz)	**HDMI 1.4 (4Kx2K, 30Hz)**
DisplayPort connectors	No	No
Expresscard	Yes, 54mm	No
VGA	Yes, 1	Yes, 1
eSATA	Notebook eSATA port, Dock eSATA support	eSATA support in E-Port docking stations only

Gen over Gen Feature Comparison

Precision M2800 and Precision 3510

Platform	Precision M2800	Precision 3510
Battery life	Up to	Up to **17 hours** of battery life with a 6-cell battery, HD, switchable graphics enabled and Windows 8.1
Slice battery support	No slice battery support	No slice battery support
Internal Card Support	Memory card reader 1 full-size slot for WWAN & mSATA SSD 1 half mini-card slot for WLAN 1 half mini-card slot for GPE Card	**M.2 cards slots:** **One 30x30mm Socket 1: WLAN/BT** **One 30x42mm Socket 2: WWAN, HCA, cache** **One 22x80mm Socket 3: SSD (SATA / x4 PCIe**

Target EOL Q2 CY16

Precision M2800 Mobile

Upgrade to workstation performance. Professional power. Budget intact

Key features	Why it matters
Dell's most affordable mobile workstation	Removing cost-barriers for workstation-class performance, ISV certification & mission-critical reliability. Also maximize your software investment by getting the best performance from your software with better graphics, storage and processing options.
Professional grade AMD FirePro Graphics 2GB of dedicated video memory	AMD FirePro W4170M Graphics is certified by ISV's and offer superior performance for running professional applications over a comparable consumer graphics card. AMD Graphics card also offers superior price/performance over a comparable NVIDIA Entry Graphics card.
4th Generation Intel Core i5 and i7 Processors	Latest Intel Haswell processors options deliver outstanding price performance for workstation applications
High-performance storage	Choice of upto 512GB SSD storage or upto 1TB 7200 RPM SATA drive to cater to customers storage requirements
Ramped up RAM with up to 16GB 1600MHz DDR3 memory	Support for upto 16GB 1600Mhz DDR3 NECC memory for superior performance.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
ISV Certifications	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Dell UltraSharp 24 Ultra HD Monitor - UP2414Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Advanced Port Replicator
Simplify connections to your keyboard, mouse and up to four monitors and transfer data quickly with two USB 3.0 ports

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Targus 16" Drifter Backpack
The ideal combination of style and protection, this backpack features a padded laptop compartment to keep your device safe and secure

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Precision 17 7000 Series Key Claims

- The world's most powerful mobile workstation
- ***Comparative claim**: Precision 17 7000 Series' starting weight is lighter than the NEW Lenovo P70. (7.6 vs. 7.55lbs)
- ***Comparative claim**: Precision 17 7000 Series is lighter than the NEW Lenovo P70 when configured with an SSD.
- 4K UHD has 44% more pixels (2.5 million more) than QHD+
- 4K UHD has 2x (4.6 million) more pixels than that of QHD
- 4K UHD has 4X (6 million) more pixels than a Full HD display
- 4K UHD has 7x (7 million) more pixels that of HD.
- The world's most secure workstation with industry-leading endpoint security solutions that include comprehensive encryption, advanced authentication and leading-edge malware protection.
- World's most manageable mobile workstation
- **Dell ProSupport Plus with SupportAssist significantly reduces time to resolve common hardware problems:
    - Takes up to 58% fewer steps in the support process, compared to key competitors*
    - Up to 84% less time on the phone with tech support, compared to key competitors*

***Weights vary depending on configuration and manufacturing variability**

****Based on Nov 2014 Principled Technologies Test Report commissioned by Dell. Actual results will vary. For the full report visit: http://facts.pt/14dh1gl**

Precision 15 7000 Series Key Claims

- The world's most powerful 15" mobile workstation
- **Comparative claim:** Precision 15 7000 Series offers more graphics options than the NEW Lenovo P50 (NVIDIA vs. NVIDIA and AMD)
- 4K UHD has 44% more pixels (2.5 million more) than QHD+
- 4K UHD has 2x (4.6 million) more pixels than that of QHD
- 4K UHD has 4X (6 million) more pixels than a Full HD display
- 4K UHD has 7x (7 million) more pixels that of HD.
- The world's most secure workstation with industry-leading endpoint security solutions that include comprehensive encryption, advanced authentication and leading-edge malware protection.
- World's most manageable mobile workstation
- Dell ProSupport Plus with SupportAssist significantly reduces time to resolve common hardware problems:
    - Takes up to 58% fewer steps in the support process, compared to key competitors*
    - Up to 84% less time on the phone with tech support, compared to key competitors*

****Based on Nov 2014 Principled Technologies Test Report commissioned by Dell. Actual results will vary. For the full report visit: http://facts.pt/14dh1gl**

Precision 15 5000 Series Key Claims

- The world's smallest, thinnest and lightest 15" workstation
- The Precision 15 5000 Series is the world's first 15-inch workstation with InfinityEdge display
- Dell has the only minimum 100% Adobe RGB displays on a workstation
- Precision 15 5000 Series has the thinnest bezel on a 15-inch notebook today (5.7mm)
- **Comparative claim:** Precision 15 5000 Series bezel is 59% thinner than the MacBook Pro bezel
- **Comparative claim:** Precision 5000 Series' 4K Ultra HD display is over 3 million more pixels than the MacBook Pro 15 with Retina
- **Comparative claim :** : Precision 15 5000 Series has 59% higher resolution than the MacBook Pro
- 4K UHD has 44% more pixels (2.5 million more) than QHD+
- 4K UHD has 2x (4.6 million) more pixels than that of QHD
- 4K UHD has 4X (6 million) more pixels than a Full HD display
- 4K UHD has 7x (7 million) more pixels that of HD.
- **Comparative claim**: The Precision 15 5000 Series is lighter than the MacBook Pro
- **Comparative claim**: The Precision 15 5000 Series is 12% lighter than the MacBook Pro
- **Comparative claim**: The Precision 15 5000 Series has 77% longer battery life than the MacBook Pro
- World's most manageable mobile workstation
- **Dell ProSupport Plus with SupportAssist significantly reduces time to resolve common hardware problems:
    - Takes up to 58% fewer steps in the support process, compared to key competitors*
    - Up to 84% less time on the phone with tech support, compared to key competitors*

***Weights vary depending on configuration and manufacturing variability**

****Based on Nov 2014 Principled Technologies Test Report commissioned by Dell. Actual results will vary. For the full report visit: http://facts.pt/14dh1gl**

Precision 15 3000 Series Key Claims

- The world's most secure workstation with industry-leading endpoint security solutions that include comprehensive encryption, advanced authentication and leading-edge malware protection.
- World's most manageable mobile workstation
- Dell ProSupport Plus with SupportAssist significantly reduces time to resolve common hardware problems:
    - Takes up to 58% fewer steps in the support process, compared to key competitors*
    - Up to 84% less time on the phone with tech support, compared to key competitors*

****Based on Nov 2014 Principled Technologies Test Report commissioned by Dell. Actual results will vary. For the full report visit: http://facts.pt/14dh1gl**

Corning glass for mobile Precision

Corning® Concore™ Glass - Corning's durable one glass solution for integrated touch devices.
Corning® Concore™ Glass is a slim form, damage resistant glass used to help protect today's touch devices against the repetitive motion of touch.
Corning® Concore™ Glass provides 5x better surface damage resistance for thinner devices and higher durability than traditional displays
Corning® Concore™ Glass provides 7x better indentation threshold with fewer scratches than traditional displays
Corning® Concore™ Glass provides fewer scratches than traditional displays
Corning® Concore™ Glass provides 2x better edge strength than traditional displays
Corning® Concore™ Glass provides higher transmission performance, brighter display and better color on high resolution displays than traditional displays

Q&A

What is the difference between Gorilla Glass and Concore™ Glass?

The two products serve different applications. Corning Gorilla Glass is intended for demanding designs and provides high damage resistance through traditional discrete-cover glass manufacturing. Concore Glass can enable lower cost touch modules as it eliminates sensor glass and can save manufacturing steps. The tradeoff is that it does not have the same high damage resistance of Corning® Gorilla® Glass, however Concore Glass does offer better durability and scratch resistance than soda lime glass.

What is the difference between Gorilla Glass NBT and Concore Glass? Aren't they both OGS solutions?

Corning has a variety of cover glass products for touch-enabled mobile and notebook devices. Corning® Gorilla® Glass NBT is Corning's recommended glass solution for touch-enabled notebooks. Corning Gorilla Glass NBT is specially designed for touch-enabled notebooks is a higher performance standards than Concore Glass.

How does Concore™ Glass compare to Gorilla Glass in terms of durability, reliability, etc.?

The durability and damage resistance of Concore Glass is calibrated to enable the OGS process. The key advantage of Concore Glass is that it is significantly better than legacy soda-lime glass, which has been traditionally used for OGS, however, Concore Glass does not have the high damage resistance of Gorilla Glass.

So, Concore Glass provides improved durability and scratch resistance over legacy soda lime glass, how does it compare to Gorilla Glass / Gorilla Glass 3?

The two products serve different applications. Corning Gorilla Glass is intended for demanding designs and provides high damage resistance through traditional discrete-cover glass manufacturing. Concore Glass is designed to enable OGS touch module manufacturing through a manufacturing process that makes Concore Glass easier to cut and handle after strengthening.

Why wouldn't the device maker just use Gorilla Glass instead of Concore?

Concore Glass is designed to replace legacy soda lime glass that is less damage resistant that Concore Glass. Concore Glass is a viable option for manufacturers interested in an OGS solution that can be used in a cost effective manufacturing process while also providing more damage resistance than legacy soda lime glass.

Precision Key Differentiators

Precision Optimizer

- Improve productivity with the Precision Optimizer, which is an automated tool that ensures your software runs at its maximum potential, unlike the competition that will only offer advise for fine-tuning.
- By fine-tuning your system beyond standard factory settings, you achieve the best possible Independent Software Vendor (ISV) application performance.
- The Precision Optimizer enables and monitors automated system updates from one convenient location and provides system utilization reports to be certain you have the necessary resources.
- The Optimizer is available in English, German, French, Japanese and simplified Chinese.
- Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.

Reliable Memory Technology Pro (RMT Pro) – available on mobiles in 2016

- Dell's exclusive, patented Reliable Memory Technology Pro (RMT Pro) helps maximize uptime, compared to the competition, and ensures that your Workstations work as hard as you do.
- RMT Pro works in conjunction with error-correcting code (ECC) memory to detect and correct memory errors in real time.
- RMT Pro makes memory errors virtually nonexistent so that the bad memory is never revisited again and the DIMM can still be used.
- With a simple system reboot, RMT Pro isolates the defective area in memory and hides it from the OS.

Dell PCIe Storage Solution

- The Dell developed PCIe SSD card sits on the PCIe BUS and can support 4 memory modules which equals up to 2TB of SSD storage and 2x as many hard drives as HP.
- Precision engineered this PCIe SSD storage card with a dedicated thermal solution, unlike HP, to ensure a faster and more reliable system
- The lack of spinning parts help make SSD storage the most reliable option.
- The Dell PCIe SSD card provides up to 180% more performance than a standard SATA SSD drive. This storage option is the fastest storage available with read/write speeds of 2.15GB/s and 1.5GB/s respectively.
- .

Intel CAS-W cache acceleration software for workstations

- Exclusive Dell cache acceleration software for workstations for increased storage performance compared to the competition.
- Intel CAS-W software solutions enable I/O speeds close to that of solid-state drive configurations at the storage and price of traditional drives.
- Intel CAS-W provides a better user experience, with up to 3.6x higher frame rate in Adobe After Effects® 2015 and up to 70% increased frame rates in AutoCAD® 2015.

Other Workstation Key Technologies

Teradici PCoIP® Workstation Access Software

- The PCoIP workstation remote access software allows any PCoIP enabled endpoint, PC or tablet, to connect to your Precision tower and rack workstation to view, edit and get work done.
- The remote access software-based solution only transmits (host rendered) encrypted pixels, not data, which remains securely stored on your workstation – ensuring protection of your intellectual property.
- The Teradici PCoIP remote access software is compatible with all Precision tower and rack workstations.
- One year of 24x7x365 support provided by Teradici (with support SKU.)

Intel® Xeon® Processors

- Step up to the performance and visuals demanded by professional-grade CAD or media and entertainment applications
- With Intel® vPro™ technology, you can make sure your workstations are as secure and manageable as any PC in your organization's fleet.
- Media and entertainment animators, artists, and editors looking to accelerate nonlinear editing or test select special effects—such as blur and motion filters—can work with greater efficiency.
- Software benefits because the Intel Xeon processor product family has been certified on and optimized for a wide range of third-party ISV applications.

RAID

- RAID (originally redundant array of inexpensive disks, now commonly redundant array of independent disks) is a data storage virtualization technology that combines multiple physical disk drive components into a single logical unit for the purposes of data redundancy, performance improvement, or both.
- RAID 0 distributes data across multiple drives (for example, block A goes to and from drive 1, block B goes to and from drive 2), which permits increased write and read speeds. This approach is often referred to as striping.
- RAID 1 writes and reads the same data to pairs of drives; it's also referred to as mirroring. The drives are equal partners—should either fail, you can continue working with the good one until you can replace the bad one.
- RAID 5 This RAID mode offers both speed and data redundancy. RAID 5 writes data to and reads from multiple disks, and it distributes parity data across all the disks in the array. Parity data is a smaller amount of data derived mathematically from a larger set that can accurately describe that larger amount of data, and thus serves to restore it.
- RAID 10, also referred to as RAID 1 + 0, stripes data (RAID 0) across mirrored pairs (RAID 1) of drives. With this arrangement, you get back some of the write speed that RAID 1 can cost you—but you need at least four drives to implement it.

Venue

Dell Venue

Services + Products + Software + Accessories

Venue 8 7000 Series

Innovation in its thinnest form

Venue 10 7000 Series

Designed to impress

Venue 10 5000 Series

Anytime productivity in a 10.1" Android tablet design

Venue 10 Pro 5000 Series

Anytime productivity in a 10.1" Windows tablet design

Venue 8 Pro

Thin and light hand-held design, ideal for specialized applications and on the go productivity

Venue 10 Pro

Thin and light 10.1" design, ideal for specialized applications with an innovative 2-in-1 keyboard for ultra-mobile productivity

Venue 11 Pro 7000 Series

Ultimate 2-in-1 mobility with a light and sleek 10.8" design, power-packed features and the world's best security and manageability

Prosumer Education Commercial

most **secure** | most **manageable** | most **reliable**

backed by Dell ProSupport™ Plus

★★ InfoWorld ★★ EDITOR'S CHOICE

"Faster, skinnier, and fanless, the new version of the Dell **Venue 11 Pro is a lean, mean desktop replacement**."

Venue 11 Pro 7000 Series 4*/5*
"A business-focused tablet with strong performance."

PC PCMAG.COM EDITORS' CHOICE

CES INNOVATION AWARDS 2015

Venue 8 7000
Winner: 2015 CES Best of Innovation Award-Tablets

Venue 8 7000: Best of CES
"Best Android Tablet: Dell Venue 8 7000" – PCMag

PC The Best of CES 2015

Dell Venue Pro

Empowering your workforce

Venue Pro tablets are designed to meet the modern demands of mobility with the innovative features users want and the security and manageability businesses need. Venue Pro accessories, including versatile keyboard and dock- ing options, give workers the ability to stay productive whether in the office or on the go.

Confident security

Venue Pro tablets have best-in-class Security features with advanced Dell Data Protection hardware and software solutions. Dell builds unique security capabilities into our Venue Pro tablets that provide comprehensive encryption and malware prevention solutions available straight from the factory or through volume licensing options. Automatically protect data wherever it goes—on all local drives and removable media—enabling end-user collaboration without risk of data loss or security breaches.

Efficient manageability

Venue Pro tablets are the world's most manageable tablets with Dell Client Command Suite tools and Dell Configuration & Deployment Services. By building unique management capabili- ties into Venue Pro tablets, Dell Client
Command Suite provides free tools that help automate and streamline system deployment, monitoring and updating in complex IT environments.

Outstanding reliability

Venue Pro tablets are designed, tested and engineered to deliver a flawless customer experience every time. Higher standards for quality testing, ensure devices can stand up to the job's demands. Thoughtful design improves performance, reliability and usability. ProSupport Plus is the only complete support service that combines predic- tive analysis and protection proactively resolve and prevent issues with minimal customer effort and no downtime.

Dell has it. Microsoft doesn't.

More Secure

Security designed to protect your business

	Dell Venue 11 Pro	Microsoft Surface Pro 3
Additional securityprotection and trust with Intel®vPro™ processors	✓	✗
TPM 2.0 specifications available withadditional cryptographic servicesfor enhanced security	✓	✗
Dedicated security model with both a smartcard reader and biometric fingerprint reader	✓	✗

More Manageable

Management features to optimize business productivity

Dell ProSupport, option for Next Business Day Onsite Service after remote diagnosis with 24x7x365 tech-to-tech support	✓	✗
Intel®vPro™ configurations supporting Remote Out-of-Band Management and Remote KVM	✓	✗
Mobile Broadband (LTE/3G/HSPA+) options on all models for ultimate mobile connectivity	✓	✗

Outstanding reliability

Reliable tablets built for everyone in your business

Ultraportable 8& 10.8" device options to support highly mobile in-your-pocket & handheld needs	✓	✗
Configuration choices with Intel®Atom™to support essential performanceand budget needs	✓	✗

Rugged Case for manufacturing

Charging Cart for education

Mobile Payments for retail

Mobile Healthcare

Venue 11 Pro 7000 Series (7140)

The world's most manageable business-class tablet

Key features	Why it matters
New Intel® Core™ M & Intel® Core™ M vPro*	Improves performance at lower power consumption. Increases battery life in a quiet, fanless design.
10.8 inch Display with FHD (1920 x 1080) resolution	A brilliant and sharp display that's easy on the eyes in the smaller screen size
Thin 10.7mm and lightweight 723G in a fan-less design	Sleek design and ultra portability. Comfortable and easy to hold when detached from the Keyboard
Supports Microsoft Win 8.1 64Bit & Office (upgradable to Win 10 also and factory installed this Fall)	Fits seamlessly into your windows environment.
Productivity with accessory options - Active Stylus, Docking Station, Wireless Mobile Keyboard and Slim Keyboard	Covers multiple use cases as a 2-n-1 with mobile KB that includes an extended battery, as a tablet with slim KB folio, and a desktop while connected to a desktop dock. Precise and Natural input for pen-enabled applications.
BT 4.0 (BLE), Dual band Wi-Fi, Miracast/WiDi, LTE*, NFC**	Always stay connected, accessing content and uploading files on the go and to other devices.
Long Life-cycle battery - with extended battery in mobile keyboard option	Cover your entire work day without charging
Dell Data Protection | Encryption & TPM 1.2 option	The same level of security and manageability that you come to expect with Dell commercial client devices.

Recommended Accessories

LAPTOP EXPERIENCE: Dell Tablet Keyboard-Mobile
Full-size keyboard with touch pad. Includes additional battery to boost battery time by up to 50%. Closes like a laptop

DESKTOP PRODUCTIVITY: Dell Tablet Dock
Work at your desk just like you would on a regular PC
Can connect to full-size monitor, mouse and keyboard
HDMI, DisplayPort, RJ45 and 3 USB 3.0 Ports

INTERACT WITH PRECISION: Dell Active Stylus
Industry-leading accuracy. Two buttons for added functionality.

LIGHTWEIGHT PRODUCTIVITY: Dell Tablet Keyboard-Slim
Full-size keyboard with touch pad. Super thin cover folds to protect screen. Snaps on with magnetic connectors

PROTECTION AND EASY VIEWING: Dell Tablet Folio
Stylish Folio Case, cover folds back into a hand-free stand. Cover can be removed to allow use with Dell Tablet Dock or Mobile Keyboard

FULL DESKTOP PRODUCTIVITY: Dell Wireless Keyboard & Mouse
USB wireless connection for docking solutions
Two models available regionally

Resources

Product Video

Venue 11 Pro 7000 Security (7139)

The world's most secure business-class tablet

Key features	Why it matters
Large 10.8" Full HD 1080p wide angle display	A brilliant and sharp display that's easy on the eyes in the smaller screen size
4th Generation 64-bit Intel Core i3 & i5 processors with VPro option for manageability & up to 8GB RAM and 256GB storage	The same performance you come to expect from an ultrabook in a tablet format.
Ultimate in flexibility with 2 full-sized keyboards & tablet dock to easily adapt to on-the-go & desk uses	Covers multiple use cases as a 2-n-1 with mobile KB that includes an extended battery, as a tablet with slim KB folio, and a desktop while connected to a desktop dock.
Dell Active Stylus to easily annotate, draw, or take notes	Precise and Natural input for pen-enabled applications.
Slim & light travel adapter that also charges your cell phone	Minimize the devices you have to carry on the go and leave your cell phone charger behind.
Optional 4G LTE*/HSPA+*, 802.11n Wi-Fi with Miracast wireless display, & NFC	Always stay connected, accessing content and uploading files on the go and to other devices.
Advanced security and manageability: DDP|E, dTPM, smartcard & fingerprint reader, KACE integration	The same level of security and manageability that you come to expect with Dell commercial client devices.

Recommended Accessories

LAPTOP EXPERIENCE: Dell Tablet Keyboard-Mobile
Full-size keyboard with touch pad. Includes additional battery to boost battery time by up to 50%. Closes like a laptop

DESKTOP PRODUCTIVITY: Dell Tablet Dock
Work at your desk just like you would on a regular PC
Can connect to full-size monitor, mouse and keyboard
HDMI, DisplayPort, RJ45 and 3 USB 3.0 Ports

INTERACT WITH PRECISION: Dell Active Stylus

Industry-leading accuracy. Two buttons for added functionality.

LIGHTWEIGHT PRODUCTIVITY: Dell Tablet Keyboard-Slim
Full-size keyboard with touch pad. Super thin cover folds to protect screen. Snaps on with magnetic connectors

PROTECTION AND EASY VIEWING: Dell Tablet Folio
Stylish Folio Case, cover folds back into a hand-free stand. Cover can be removed to allow use with Dell Tablet Dock or Mobile Keyboard

FULL DESKTOP PRODUCTIVITY: Dell Wireless Keyboard & Mouse
USB wireless connection for docking solutions
Two models available regionally

Resources

Product Video

Venue 10 7000 Series (7040)

The tablet designed to impress

Key features	Why it matters
Unique Razor thin design with a barrel edge	Sleek, thin industrial design with a smooth finish and barrel edge make it easy to hold and carry.
Optional magnetic, hinged keyboard with backlit keys for a tablet, stand, tent, slate or 2 in 1 notebook (5 configurations in 1 device)	Magnet in the tablet barrel and keyboard allow for easy connecting and disconnecting of the tablet and keyboard, providing power to the keyboard's backlit keys for productivity on the go.
The best tablet display available with an 10.5" OLED screen; 2560x1600 (WQXGA) Resolution	Premium viewing experience with amazing color saturation and deep blacks. The only place you'll want to view all media and content.
Intel® RealSense™ Snapshot Depth Cameras for pictures with depth mapping	Take high resolution 8MP depth photos. Use depth data to measure objects and area within the photo. With the touch of a finger, apply easy depth based tools such as changing the focus point in the photo or edit things such as color or contrast by depth.
All the photos from your Life in the palm of your hand with Dell Gallery	Integrate photos from the tablet, Facebook, Dropbox and Picasa all into the Dell Gallery. Amazing gallery viewing options using Map, People, Timeline and Favorites views.
Immersive audio experience with MaxxAudio® Mobile by Waves, front-firing stereo speakers and optional Bluetooth speaker	Maxx Audio Grammy award winning Waves calibration for crystal clear premium sound from the front firing speakers or when using headphones.
Latest High performance Intel ® Atom ™ processor Z3580 and Android™ 5.0, Lollipop enabled with Android for Work	High power performance for a variety of apps and fast browsing. Long usage time between recharges. Consume media and work on the go. Access to all Google Play apps and options for IT administrators to leverage AFW controls.

Recommended Accessories

MAKE ANY SCREEN YOUR SCREEN: Dell Cast
Wirelessly display content on any HDMI display
Work on your Venue like a PC with a monitor, mouse and keyboard, without any wires

5 CONFIGURATIONS IN 1 : Dell Venue Keyboard
Productivity anywhere. Ultra-thin keyboard with comfortably-sized keys. Hinged keyboard for ultimate flexibility, allowing use in 5 modes.

PROTECTION AND STYLE: Dell Premier Venue Sleeve
Custom-fit sleeve stylishly protects your tablet
Expands to provide a snug fit with or without Venue Keyboard

BETTER SHARED SOUND ANYWHERE
Dell Bluetooth Speaker
Listen to music with friends. Watch movies with better sound. Use as a conference phone with Skype

Resources

Video

Venue 8 7000 Series (7840)

Innovation in it's thinnest form

Key features	Why it matters
6MM thin made with machined aluminum	At only 6mm thin, you can easily hold, carry and store your Venue 8 7000 tablet wherever life and work takes you.
The best tablet display available with an 8.4" OLED screen; 2560x1600 (WQXGA) Resolution and over 4M pixels	Premium viewing experience with amazing color saturation and deep blacks. The only place you'll want to view all media and content.
First tablet in the world with the Intel® RealSense™ Snapshot Depth Cameras for pictures w/ depth mapping	Take high resolution 8MP depth photos. Use depth data to measure objects and area within the photo. With the touch of a finger, apply easy depth based tools such as changing the focus point in the photo or edit things such as color or contrast by depth.
All the photos from your Life in the palm of your hand with Dell Gallery	Integrate photos from the tablet, Facebook, Dropbox and Picasa all into the Dell Gallery. Amazing gallery viewing options using Map, People, Timeline and Favorites views.
Immersive audio experience with MaxxAudio® Waves, front-firing stereo speakers and optional Bluetooth speaker	Maxx Audio Grammy award winning Waves calibration for crystal clear premium sound from the front firing speakers or when using headphones.
Latest High performance Intel ® Atom ™ processor Z3580 and Android™ 5.0, Lollipop® enabled with Android for Work	High power performance for a variety of apps and fast browsing. Long usage time between recharges. Consume media and work on the go. Access to all Google Play apps and options for IT administrators to leverage AFW controls.
A microSD slot for up to 512GB storage	Expandable room for storage of content, media files and apps.

Recommended Accessories

MAKE ANY SCREEN YOUR SCREEN: Dell Cast
Wirelessly display content on any HDMI display. Work on your Venue like a PC with a monitor, mouse and keyboard, without any wires

PROTECTION AND FUNCTIONALITY: Dell Folio with Scratch Protector
Super-thin cover. Custom-fit with access to ports and cameras. Cover folds into a hands-free stand
Includes a scratch protector

BETTER SHARED SOUND ANYWHERE
Dell Bluetooth Speaker
Listen to music with friends. Watch movies with better sound. Use as a conference phone with Skype

MAKE IT A TINY 2-IN-1: Dell Bluetooth Keyboard Folio with Scratch Protector
Bluetooth keyboard connects to tablet. Folds up to protect screen. Cover folds into a hands-free stand
Includes a scratch protector

Resources

Video

Venue 11 Pro 5000 Series (5130)

The tablet that adapts to you

Key features	Why it matters
Choice of 10.8" Full HD or HD display to see more content, yet stay mobile	Display options to keep price low with HD or move up to high resolution full HD performance
Two full-sized keyboards & tablet dock to easily adapt to on-the-go and desk uses	Covers multiple use cases as a 2-n-1 with productivity KB that includes an extended battery, as a tablet with slim KB folio, and a desktop while connected to a desktop dock.
High precision pen to easily annotate, draw, or take notes	Precise and Natural input for pen-enabled applications.
Slim & light travel adapter that also charges your cell phone	Minimize the devices you have to carry on the go and leave your cell phone charger behind.
Intel Quad Core performance with 32 bit and 64 bit support, long battery life and swappable battery design	High power performance for a variety of apps and fast browsing. Long usage time between recharges and customer swappable battery. 64-bit easily fits into a corporate environment.
Optional 4G LTE*/HSPA+*, 802.11n Wi-Fi with Miracast wireless display, Bluetooth, & NFC	Always stay connected, accessing content and uploading files on the go and connecting to other devices.
Advanced security and manageability: KACE integration, DDP|E, TPM	The same level of security and manageability that you come to expect with Dell commercial client devices.

Recommended Accessories

LAPTOP EXPERIENCE: Dell Tablet Keyboard-Mobile
Full-size keyboard with touch pad. Includes additional battery to boost battery time by up to 50%. Closes like a laptop

DESKTOP PRODUCTIVITY: Dell Tablet Dock
Work at your desk just like you would on a regular PC
Can connect to full-size monitor, mouse and keyboard
HDMI, DisplayPort, RJ45 and 3 USB 3.0 Ports

INTERACT WITH PRECISION: Dell Active Stylus
Industry-leading accuracy. Two buttons for added functionality.

LIGHTWEIGHT PRODUCTIVITY: Dell Tablet Keyboard-Slim
Full-size keyboard with touch pad. Super thin cover folds to protect screen. Snaps on with magnetic connectors

PROTECTION AND EASY VIEWING: Dell Tablet Folio
Stylish Folio Case, cover folds back into a hand-free stand. Cover can be removed to allow use with Dell Tablet Dock or Mobile Keyboard

FULL DESKTOP PRODUCTIVITY: Dell Wireless Keyboard & Mouse
USB wireless connection for docking solutions
Two models available regionally

Jan 2016

NEW Venue 10 Pro Tablet (5056)

Thin and light 10.1" design, ideal for specialized applications with an innovative 2-in-1 keyboard for ultra-mobile productivity

Key features	Why it matters
10.1" FHD display	Direct bond touch display for a more durable display with better viewing angles indoors and out. Full HD display for an excellent viewing experience.
2MP front/8MP rear cameras	High resolution front and world facing capability to capture photos and video in a variety of vertical uses, industries.
64-bit Intel Quad-Core Cherry Trail processors w/ 4GB RAM & up to 128GB storage	Commercial grade performance in a thin and light tablet with room for needed storage and apps. Ready to take on apps, fast browsing and all customer needs. Long usage time between recharges. Consume media and work on the go.
Fanless and thin design. <10mm	Thin and light 10.1" design providing portability and excellent battery life. Premium materials with lightweight magnesium and Corning glass for quality feel & durability.
64 bit Windows 10 OS	Latest Windows productivity, capability and performance
Full-sized backlit keyboard with stylus garage & tablet stand to easily adapt to on-the-go and desk uses	Innovative 2-in-1 ultra-mobile productivity with reversible, attachable keyboard, bringing the speed and comfort of a classic keyboard to a tablet for mobile productivity. Full-sized, well-spaced, backlit chiclet keys for effortless typing. Fast stylus charging and built in garage for easy storage and always ready capability.
Dell Active Stylus to easily annotate, draw, or take notes	Great pen experience with accuracy, natural feel and great apps. Take the experience of writing on paper to your tablet. Industry-leading accuracy, built with Wacom feel IT technologies. Active stylus with hovering and pressure-sensitive tip.
Optional 4G LTE*/HSPA+*, 802.11AC Wi-Fi with Miracast wireless display	Always stay connected with strong 2x2 Wi-Fi and LTE options NFC
Advanced security and manageability: DDP|E, discrete TPM, SCCM integration	Best in class security with Dell's comprehensive encryption, advanced authentication and leading-edge malware prevention built on the foundation of Windows 10 and the latest Intel processors. The World's most manageable tablet automate and streamline system deployment, monitoring and updating,

Recommended Accessories

EASY DESKTOP DOCKING: Dell Dock
Connect to display, keyboard, mouse and other accessories with Dell Dock. Connects to tablet DisplayPort™ over USB Type-C. Supports dual displays, Gigabit Ethernet, 2 USB 2.0 & 3 USB 3.0 ports

TRUE WRITING EXPERIENCE: NEW Dell Active Pen
Industry-leading accuracy. True writing experience Built with Wacom feel IT technology. Click to open OneNote

PROTECTION AND EASY VIEWING: Dell Venue Rotating Folio
Folds back into a hand-free stand which allows rotating your Venue to portrait or landscape views. Stylish Folio Case.

EASY DESKTOP USE: Dell Tablet Stand
Supports Venue at a comfortable viewing able for use with Dell Dock. Easy to use by simply placing tablet in stand and connecting docking cable. Allows use of tablet as 2nd (or 3rd) screen when docked

BETTER SHARED SOUND ANYWHERE: Dell Bluetooth Speaker
Listen to music with friends. Watch movies with better sound. Use as a conference phone with Skype

PERSONAL LISTENING
Dell IE600 Wired In-Ear Headset
Listen to music or chat online. Comfortable in-ear design. Includes inline remote & mic

Venue 10 5000 Series (5050)

Anytime productivity in a 10" tablet design

Key features	Why it matters
Intel® Atom™ Processor Quad-core	High power performance for a variety of apps and fast browsing. Ready to take on the customer's need. Long usage time between recharges. Consume media and work on the go.
Android 5.0, certified for Android for Education & Android for Work enabled.	Android™ 5.0, Lollipop enabled for Android for Work and Education configurations to meet a variety of customer types and the manageability needed by IT administrators.
Optional reversible, attachable keyboard	2 in 1 productivity with an optional reversible, attachable keyboard for a tablet, stand, tent, slate or notebook (5 configurations in 1 device)
HD & FHD display options (HD only for Education)	Display options to keep price low with HD or move up to high resolution full HD performance
10.1" mobile form factor at 9.9mm & 659g/1.4lb	Highly portable 10" tablet, ready to go at work, school or home
Wireless desktop docking (Dell Cast)	Productivity and mirroring solution which wirelessly gives Android users a desktop experience
Dual Microphones, 1.2MP/5MP cameras, stereo speakers	Capture photos and video with excellent stereo sound quality and playback
Micro-HDMI, USB 2.0, Micro SD, Bluetooth	Flexibility to connect a wide range of external devices for any business need
2GB Memory and 16GB, 32GB or 64GB Solid State Storage	Variety of storage options to meet the customer's usage needs for content and apps.
Android Ecosystem for education with Google Play for Education with NFC and Dell accessories	Certified for Google Play for Education with NFC and a network activity light Dell Mobile Computing Cart-Unmanaged stores and charges up to 30 tablets
Extensive Consumer ecosystem with Google Play and Dell accessories	Recommended Dell accessories including an Active Stylus, Bluetooth Speaker, Rotating Folio, and Protective Case
4G LTE (optional)* & 802.11a/b/g/n Wi-Fi with Miracast wireless display	Always stay connected, accessing content and uploading files on the go

Recommended Accessories

Dell Venue Keyboard
An optional attachable keyboard lets you position your Venue 10 tablet five different ways.

Dell Active Stylus
Interact with precision with a stylus that draws precise lines and has built-in function buttons

Resources

Video

Venue 10 Pro 5000 Series (5055)

Anytime productivity in a 10" tablet design

Key features	Why it matters
Intel® Atom™ Processor Quad-core (Bay Trail) processor for great performance and long battery life	High power performance for a variety of apps and fast browsing. Ready to take on the customer's need. Long usage time between recharges. Consume media and work on the go.
Microsoft 8.1 Productivity - upgradable to Win 10 also and factory installed Win 10 this Fall	Anytime productivity in a 10" tablet design using the Windows operating system
Optional reversible, attachable keyboard	2 in 1 productivity with an optional reversible, attachable keyboard for a tablet, stand, tent, slate or notebook (5 configurations in 1 device)
HD & FHD display options (HD only for Education)	Display options to keep price low with HD or move up to high resolution full HD performance
10.1" mobile form factor at 9.9mm and 659g/1.4lb	Highly portable 10" tablet, ready to go at work, school or home
Dual Microphones, 1.2MP/5MP cameras, stereo speakers	Capture photos and video with excellent stereo sound quality and playback
Connections: micro-HDMI, USB 2.0, Micro SD, Bluetooth	Flexibility to connect a wide range of external devices for any business need
2GB Memory and 32GB or 64GB Solid State Storage	Two storage options to meet the customer's usage needs for content and apps
Recommended Dell accessories for Education	Dell Mobile Computing Cart-Unmanaged stores and charges up to 30 tablets Recommended Dell accessories including an Active Stylus, Bluetooth Speaker, Rotating Folio, and Protective Case
Easily stay connected with 4G LTE (optional)* & 802.11a/b/g/n Wi-Fi with Miracast wireless display	Always stay connected, accessing content and uploading files on the go

Recommended Accessories

Dell Venue Keyboard
An optional attachable keyboard lets you position your Venue 10 tablet five different ways.

Dell Active Stylus
Interact with precision with a stylus that draws precise lines and has built-in function buttons

Resources

Video

NEW Venue 8 Pro Tablet (5855)

Nov 2015

Thin and light hand-held design, ideal for specialized applications and on the go productivity

Key features	Why it matters
8" design under 1lb and with 16:10 aspect ratio	Thin and light weight design enables great portability while 16:10 screen aspect ratio allow users to hold device in one hand in portrait mode, ideal for specialized application
HD (1280x800) or FHD (1920x1200) display	Direct bond touch display (HD or FHD) with better viewing angles indoors and out, and easier navigation with swipe, slide, or tap
Intel® Atom™ x5-Z8500 Processor and up to 4GB Memory	With latest family of Intel® Atom™ x5-Z8500 Processor, Dell Venue 8 Pro delivers high performance by providing faster browsing experience, easier navigation with large and multiple applications
The world's most manageable tablet with best-in-class security	Dell builds unique security and management capabilities into our Venue Pro tablets with comprehensive encryption, and malware prevention with Dell Data Protection | Encryption, and automated and streamlined deployment, monitoring, and updating through Dell Client Command Suite
Outstanding reliability	Easy, efficient, and single source support for all your hardware and software needs from our technology experts. Plus optional coverage for accidental drops, spills, surges and breakages and extended warranty terms for hardware repair. Venue Tablets are tested for real-world conditions
World-class ecosystem	Optional Type-C Dell Dock & Tablet Stand offers real desktop experience with dual displays connectivity when you are at the desk. An optional custom-designed Rotating Folio allows protection as well as easy viewing, & ergonomic Active Pen (Wacom-enabled) provides true writing experience with accuracy & natural feel when you are on-the-go
Best Windows 10 Experience	64-bit Windows 10 OS for full productivity, great inking experience, and Continuum experience (for seamless transition between tablet and laptop modes)
Optional 4G LTE/HSPA+, 802.11AC Wi-Fi w/ Miracast/WiDi	Always stay connected with strong 2x2 Wi-Fi and LTE options

Recommended Accessories

EASY DESKTOP DOCKING: Dell Dock
Connect to display, keyboard, mouse and other accessories with Dell Dock Connects to tablet with DisplayPort™ over USB Type-C. Supports dual displays with VGA, HDMI and mDP ports. Gigabit Ethernet 2 USB 2.0 and 3 USB 3.0 ports. Optional stand available to support tablet for desktop use

TRUE WRITING EXPERIENCE: NEW Dell Active Pen
Industry-leading accuracy. True writing experience. Built with Wacom feel IT technology. Click to open OneNote

BETTER SHARED SOUND ANYWHERE: Dell Bluetooth Speaker
Listen to music with friends. Watch movies with better sound. Use as a conference phone with Skype

PROTECTION AND EASY VIEWING: Dell Venue Rotating Folio
Folds back into a hand-free stand which allows rotating your Venue to portrait or landscape views. Stylish Folio Case. Tablet shell can be removed from cover and stand to allow use with keyboard

EASY DESKTOP USE: Dell Tablet Stand
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

PERSONAL LISTENING
Dell IE600 Wired In-Ear Headset
Listen to music or chat online. Comfortable in-ear design. Includes inline remote & mic

Venue 8 Pro 5000 Series (5830)

The best productivity companion for your Windows® world

Key features	Why it matters
High quality 8" high-definition wide viewing angle display	Easily share content with others with a clear, crisp display
Thin & light form factor at only 8.9mm that easily fits in your hand	Small enough to consume content for longer periods of time while holding it comfortably in your hand.
Great productivity/collaboration with Windows 8.1, Office included, active stylus, & keyboard options	Full PC OS in the palm of your hands allows you to access, create and edit all of your trusted Windows applications and documents while on the go.
Intel® Atom™ Quad Core processors to run multiple apps at a time	High power performance for a variety of apps and fast browsing. Ready to take on the customer's need. Long usage time between recharges. Consume media and work on the go.
Easily stay connected with optional 4G LTE* & 802.11 Wi-Fi, Bluetooth, and Miracast wireless display	Stay connected to your network or other devices while on the go.

Recommended Accessories

BETTER SHARED SOUND ANYWHERE: Dell Bluetooth Speaker
Listen to music with friends. Watch movies with better sound. Use as a conference phone with Skype

TRUE WRITING EXPERIENCE: NEW Dell Active Pen
True writing experience. Industry-leading accuracy. New, redesigned pen

QUALITY SOUND WITHOUT DISTURBING OTHERS Headphones
Offered to complete your Venue experience
Incredibly personal music enjoyment

MAKE IT A TINY 2-IN-1: Dell Bluetooth Keyboard Folio
Bluetooth keyboard snaps onto cover with magnets
Protective Folio cover folds back create a stand for hands-free use

PROTECTION AND EASY VIEWING: Dell Venue Rotating Folio
Stylish Folio Case. Folds back into a hand-free stand which allows rotating your Venue to portrait or landscape views

COLORED CASES: Dell Venue Case
Colors that make a statement. Easy to hold with soft-touch finish. Hard outer shell and soft inner layer protects against drops and scrapes

New Generation Dell commercial tablets

Beautiful design with business-class security & manageability

Venue

Venue 8 Pro
Blackwell

8" HD & FHD

Thin and light hand-held design, ideal for specialized applications and on the go productivity

Venue 10 Pro
Somerset

10.1" FHD

Thin and light 10.1" design, ideal for specialized applications with an innovative 2-in-1 keyboard for ultra-mobile productivity

Intel® Atom™ processors
Ideal for specialized verticals
Companion and ultra-mobile productivity

Recommended accessories – Venue 8 Pro & 10 Pro
Specialized verticals

Healthcare

Healthcare Case

Ergotron Peanut Stand

Ergotron YES Cabinet

Seal Glow Silicone Keyboard

Retail/Hospitality

mPOS Sleeve

e355 Payment Module

POS Dock

Kiosk

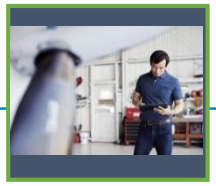
Education

Dell Protective Sleeve

Dell In-Ear Headset-IE600

Dell Mobile Computing Cart

Dell Active Pen



Manufacturing

Havis Forklift Mounts

Targus Rugged Max Pro

Targus Hand/Shoulder Strap

Noble Locking Solutions

Docking Commonality with the Commercial Portfolio

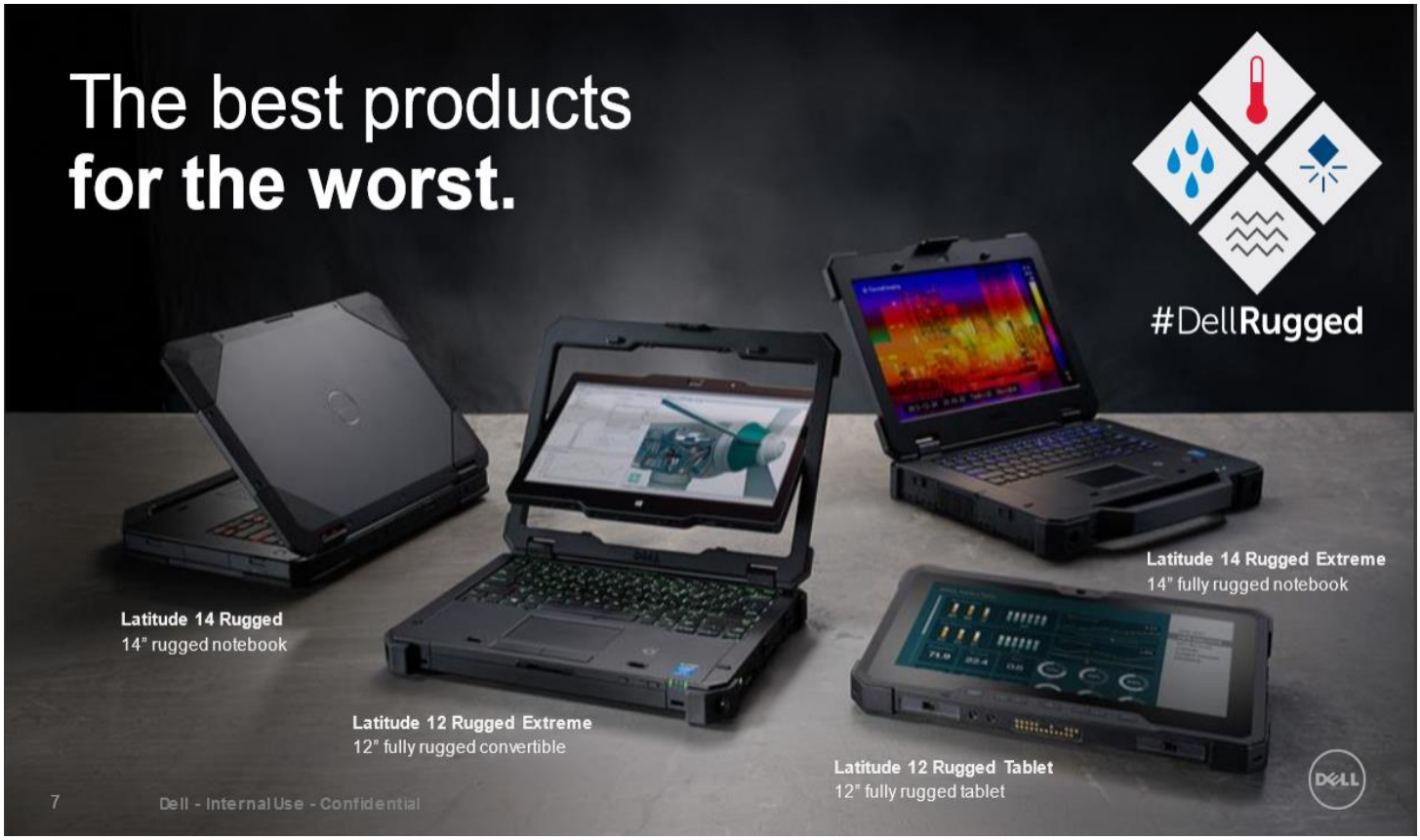
The Dell Dock allows users to quickly connect their laptop or tablet to a single data and power source with a single cable allowing for an easy, reliable connection from laptops and tablets to displays and peripherals .

Key Features:

- Common docking experience across platforms with USB-C port(s) having data, video, and power capabilities.
- Supporting compatible non-Dell systems
- Single cable for audio, video, data & power (up to 130w)*
- Supports dual FHD displays
- Small footprint
- Supports both the Venue 10 Pro & Venue 8 Pro

Rugged

Latitude Rugged



Intelligently Tough

	Latitude 12 Rugged Tablet	Latitude 12 Rugged Extreme	Latitude 14 Rugged	Latitude 14 Rugged Extreme
Screen size	11.6"	11.6"	14"	14"
Form factor	Slate tablet	Convertible notebook	Standard notebook	Standard notebook
Level of durability	Fully rugged	Fully rugged	Rugged	Fully rugged
Performance	Good	Better	Best	Best
Starting weight	3.57 lbs. | 1.62 kg	6.0 lbs. | 2.72 kg	6.5 lbs. | 2.95 kg	7.79 lbs. | 3.54 kg
Bottom line	The mobility and utility of a tablet for the worst field conditions	Smaller size and more adaptable use in the worst field conditions	Best value notebook for performance and durability in the field	The highest levels of durability for the worst field conditions

Dell Latitude Rugged

Rugged for the real world You can't slow down when the job is tough. No matter what challenges the world throws at you, handle them with confidence. Latitude Rugged means extreme durability for world-class reliability in rough conditions.

Productivity anywhere

You need to stay productive and work efficiently even when the elements are working against you. Latitude Rugged is designed for the way you work with features like outdoor-readable displays, glove-capable touch, legacy IO capability and advanced wireless connectivity.

Business-class control The Dell Latitude Rugged portfolio allows you to take your business to the world's most challenging job sites. Latitude Rugged systems keep you in control of your technology with the same industry-leading security, manageability and reliability as the rest of the Dell Latitude portfolio.

Dell is the only tier one commercial notebook vendor to offer rugged notebooks and tablets.

Dell has it. Panasonic and Getac don't.

Best features for the field

Enabling peak productivity in the worst conditions	Dell	Panasonic	Getac
Desk and vehicle docks that work seamlessly across the entire Latitude Rugged family of notebooks	✓	✗	✗
A customizable RGB backlit sealed rugged keyboard that easily adjusts to any lighting environment	✓	✗	✗
The Latitude 12 Rugged Extreme features an industry-first rugged flip-hinge for intuitive conversion between notebook and tablet	✓	✗	✗
Cameras covered by a physical shutters to protect user privacy when the camera is not in use	✓	✗	✗

Most Secure

Best-in-class endpoint security solutions from a single source	Dell	Panasonic	Getac
Comprehensive encryption, advanced authentication and malware protection with Dell Data Protection	✓	✗	✗
Dell ControlVault™ and crypto-accelerator for strong authentication processing and encryption	✓	✗	✗

Most Manageable

Deploy, image, and manage faster with Dell	Dell	Panasonic	Getac
Easy automation as well as streamlined deployments, monitoring and updates with Dell Client Command Suite	✓	✗	✗
Powerful out-of-band remote management with Intel® vPro™ technology and unique extensions	✓	✗	✗

The best products for the worst conditions.

Only from Dell.

Latitude 14 Rugged Extreme

Latitude 14 Rugged

Latitude 12 Rugged Extreme

Latitude 12 Rugged Tablet

Dell - Internal Use - Confidential

Latitude 12 Rugged Tablet (7202)

Intelligently tough.

Key features	Why it matters
Fully rugged durability for reliability in the harshest environments	Reduce failure and downtime when using your technology in harsh field conditions, resulting in peace of mind and lower total cost of ownership.
Crisp 11.6" Direct-View outdoor-readable display with gloved multi-touch	Enhance your productivity in the field with better outdoor readability and less drain on battery life thanks to a low reflectivity screen that requires less brightness to be viewable outdoors. Glove-capable touch means you can keep your work gloves on.
Connectivity anywhere with 802.11ac Wi-Fi, optional mobile broadband and dedicated GPS	Never be left without the connectivity to communicate with the information and resources you need to get your job done.
Optional dual hot-swap batteries for up to 12 hours of battery life	Power your entire shift in the field and experience all-day battery life when you have charged spare batteries on hand.
Full ecosystem including desk dock, vehicle dock, keyboard cover, modular expansion and mobility accessories.	Be comfortable and productive at your desk and vehicle with docking solutions. The keyboard cover provides productivity when on-the-go and provides screen protection when not in use. Modular expansion provides added functionality when needed and lightens the base system when not needed. Mobility accessories help you carry your rugged tablet with ease.
Peak performance in extreme temperatures with fourth-generation QuadCool™ thermal management	Fanless designs throttle performance when the temperature gets too high. QuadCool cools fanlessly for quiet operation in normal conditions, but keeps the system cool with a sealed fan to keep your system funning a full speed, even in extreme heat.
Durable pogo-pin docking interface for docking and expansion	Durable pogo-pin connectors stand up to the rough daily usage and are sealed from water ingress without the need of a door or cover.
Confident security with Dell Data Protection | Encryption and available Intel® vPro™ and TPM 1.2	Dell Latitude products are the most secure, most manageable, most reliable computers in the world. Be confident, knowing your data is secure and protected.

Recommended Accessories

Rugged Tablet Desk Dock

Maximize productivity by adding connectivity and battery charging at the office.

Rugged Tablet Vehicle Dock

Designed by Havis to mount securely in any vehicle and crash tested to ensure safety standards are met.

Modular expansion accessories

Expand functionality with modules like extended I/O, barcode and magnetic stripe reader

Keyboard Cover with Kickstand

Add a IP-65 rated keyboard with customizable RGB backlight for productivity on-the-go. Kickstand also available separately.

Dell commercial displays

Boost performance at your desk with award-winning displays from Dell

Mobility accessories

Carry your tablet easily with available handles, straps and carry cases.

Resources

Video

Latitude 12 Rugged Extreme (7204)

Adapt to the most demanding conditions.

Key features	Why it matters
Crisp 11.6" Direct-View outdoor-readable display with gloved multi-touch and industry-first rugged flip-hinge	Enhance your productivity in the field with better outdoor readability and less drain on battery life thanks to a low reflectivity screen that requires less brightness to be viewable outdoors. Glove-capable touch means you can keep your work gloves on. The flip-hinge display means easy and intuitive transition between notebook and tablet modes, even with one hand.
Customizable RGB backlit keyboard	Adapt to any lighting environment by changing the keyboard backlight between white, red, blue or green with a key press.
Fully rugged durability for reliability in the harshest environments.	Reduce failure and downtime when using your technology in harsh field conditions, resulting in peace of mind and lower total cost of ownership.
Independently-certified to a full suite of MIL-STD-810G tests, IP-65 ingress protection, MIL-STD-461F and ANSI/ISA.12.12.01	Latitude Rugged product are tested and certified by an independent third-party to ensure they meet the specs validated by meticulous in-house testing during development.
Peak performance in extreme temperatures with fourth-generation QuadCool™ thermal management	Fanless designs throttle performance when the temperature gets too high. QuadCool cools fanlessly for quiet operation in normal conditions, but keeps the system cool with a sealed fan to keep your system funning a full speed, even in extreme heat.
Connectivity anywhere with 802.11ac Wi-Fi, optional mobile broadband and dedicated GPS	Never be left without the connectivity to communicate with the information and resources you need to get your job done.
Fast and reliable solid state storage and up to 16 GB of ultra-fast memory	Speedy storage and fast memory are some of the best ways to maximize the responsiveness of your system. Solid state storage is prioritized for speed and reliability.
Durable pogo-pin docking interface for docking	Durable pogo-pin connectors stand up to the rough daily usage and are sealed from water ingress without the need of a door or cover.
Confident security with Dell Data Protection | Encryption and available Intel® vPro™ and TPM 1.2	Dell Latitude products are the most secure, most manageable, most reliable computers in the world. Be confident, knowing your data is secure and protected.

Recommended Accessories

Rugged Tablet Desk Dock

Maximize productivity by adding connectivity while docked at the office.

Rugged Vehicle Dock

Designed by Havis to mount securely in any vehicle and crash tested to ensure safety standards are met.

Dell commercial displays

Boost performance at your desk with award-winning displays from Dell.

Mobility accessories

Carry your notebook easily with available handles, straps and carry cases.

Resources

Video

Latitude 14 Rugged (5404)

Works as hard as you do.

Key features	Why it matters
Expansive 14” display with optional outdoor-readability and glove-capable touch	Enhance your productivity in the field with better outdoor readability and less drain on battery life thanks to a low reflectivity screen that requires less brightness to be viewable outdoors. Glove-capable touch means you can keep your work gloves on.
Built for the field with durable materials	Field-ready for productivity outside of normal office environments.
Independently-certified to a select set of MIL-STD-810G tests and IP-52 ingress protection	Latitude Rugged product are tested and certified by an independent third-party to ensure they meet the specs validated by meticulous in-house testing during development.
Peak performance in extreme temperatures with fourth-generation QuadCool™ thermal management	Fanless designs throttle performance when the temperature gets too high. QuadCool cools fanlessly for quiet operation in normal conditions, but keeps the system cool with a fan to keep your system funning a full speed, even in extreme heat.
Rich legacy I/O	Supports for users that need to connect to older devices that still require legacy connections such as serial, PC card, Express card and external antennas.
Connectivity anywhere with 802.11ac Wi-Fi, optional mobile broadband and dedicated GPS	Never be left without the connectivity to communicate with the information and resources you need to get your job done.
Fast and reliable solid state storage and up to 16 GB of ultra-fast memory	Speedy storage and fast memory are some of the best ways to maximize the responsiveness of your system. Solid state storage is prioritized for speed and reliability.
Durable pogo-pin docking interface for docking	Durable pogo-pin connectors stand up to the rough daily usage and are sealed from water ingress without the need of a door or cover.
Confident security with Dell Data Protection | Encryption and available Intel® vPro™ and TPM 1.2	Dell Latitude products are the most secure, most manageable, most reliable computers in the world. Be confident, knowing your data is secure and protected.

Recommended Accessories

Rugged Tablet Desk Dock

Maximize productivity by adding connectivity while docked at the office.

Rugged Vehicle Dock

Designed by Havis to mount securely in any vehicle and crash tested to ensure safety standards are met.

Dell commercial displays

Boost performance at your desk with award-winning displays from Dell.

Mobility accessories

Carry your notebook easily with available handles, straps and carry cases.

Resources

Video

Latitude 14 Rugged Extreme (7404)

Built for the most demanding conditions.

Key features	Why it matters
Expansive 14" Direct-View outdoor-readable display with glove-capable touch	Enhance your productivity in the field with better outdoor readability and less drain on battery life thanks to a low reflectivity screen that requires less brightness to be viewable outdoors. Glove-capable touch means you can keep your work gloves on.
Customizable RGB backlit keyboard	Adapt to any lighting environment by changing the keyboard backlight between white, red, blue or green with a key press.
Fully rugged durability for reliability in the harshest environments.	Reduce failure and downtime when using your technology in harsh field conditions, resulting in peace of mind and lower total cost of ownership.
Independently-certified to a full suite of MIL-STD-810G tests, IP-65 ingress protection, MIL-STD-461F and ANSI/ISA.12.12.01	Latitude Rugged product are tested and certified by an independent third-party to ensure they meet the specs validated by meticulous in-house testing during development.
Peak performance in extreme temperatures with fourth-generation QuadCool™ thermal management	Fanless designs throttle performance when the temperature gets too high. QuadCool cools fanlessly for quiet operation in normal conditions, but keeps the system cool with a sealed fan to keep your system funning a full speed, even in extreme heat.
Connectivity anywhere with 802.11ac Wi-Fi, optional mobile broadband and dedicated GPS	Never be left without the connectivity to communicate with the information and resources you need to get your job done.
Fast and reliable solid state storage and up to 16 GB of ultra-fast memory	Speedy storage and fast memory are some of the best ways to maximize the responsiveness of your system. Solid state storage is prioritized for speed and reliability.
Durable pogo-pin docking interface for docking	Durable pogo-pin connectors stand up to the rough daily usage and are sealed from water ingress without the need of a door or cover.
Confident security with Dell Data Protection | Encryption and available Intel® vPro™ and TPM 1.2	Dell Latitude products are the most secure, most manageable, most reliable computers in the world. Be confident, knowing your data is secure and protected.

Recommended Accessories

Rugged Tablet Desk Dock
Maximize productivity by adding connectivity while docked at the office.

Rugged Vehicle Dock
Designed by Havis to mount securely in any vehicle and crash tested to ensure safety standards are met.

Dell commercial displays
Boost performance at your desk with award-winning displays from Dell.

Mobility accessories
Carry your notebook easily with available handles, straps and carry cases.

Resources

Video

Chrome

Chrome Portfolio

Chromebox for meetings (3010)	Chromebox (3010)	Chromebook 11 (3120)	Chromebook 13 (7310)
High definition video conferencing made easy	Chrome OS in a miniature desktop	Enables 1:1 computing at school and home	Professional Chromebook for business use w/ Google Apps
• Intel 4th Generation i7 – 4600U Processor • Google Chrome OS • Chromebox + SW management license + webcam + speakerphone + remote + mounting hw + cabling + Conference Room Management	• Intel 4th Generation i3 – 4010U and Celeron – 2955U • Google Chrome OS • Box only with mounting choices and recommended accessories	• Intel Celeron Processor – Baytrail-M • Google Chrome OS • 11.6" Screen • 10+ hr. battery life • Purpose-built for Education; MIL-Spec Tested	• Intel Broadwell (Celeron, i3, i5) • 2/4/8 GB • 13.3" FHD IPS (Touch and Non-Touch • 12+ hr. battery life • Premium Build Materials • Leading Broadwell 13.3" XYZ • Dell IP SW (KACE/Wyse) for SMB

What people are saying about Dell Chromebook 13

The New York Times

The changes in the Chrome operating system made it possible for Dell to build a kind of virtualization that the average cement company's tech department can use..."

THE WALL STREET JOURNAL.

"Dell's $900 Chromebook 13 is Built for Business"

GIZMODO

"Dell's New 13-Inch Chromebook Is Like a Pixel You Can Actually Afford"

THE VERGE

"The new Dell Chromebook 13 is one of the most premium Chromebooks yet... It's beautifully built, and it won't break the bank."

TechCrunch

"Google And Dell Launch a Chromebook Built for the Workplace"

DIGITAL TRENDS

"Dell has heard the desire for a larger Chrome OS device and announced the Dell Chromebook 13 to fill the gap... [building] on the performance and professionalism of the Chromebook 11"

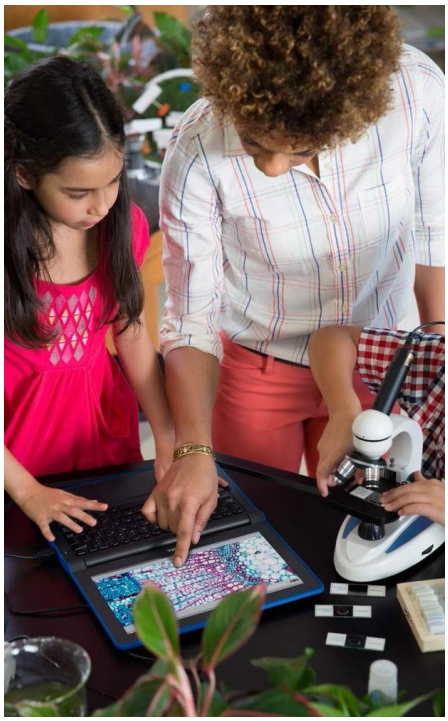
Dell Chromebooks

Easy, simple and serviceable

Easy to install, simple to manage and field serviceable Dell Chromebooks support boot times in under 10 seconds and a Chrome operating system with automatic updates that does not slow down over time from malware or other web based viruses. Both Dell Chromebook 11 (Education) and Dell Chromebook 13 (Business) are built with materials that will withstand the daily rigors from their environment and are backed by Pro Support Plus.

Secure, Manageable and Reliable

Dell Chromebooks allow customers to take advantage of Dell's leading manageability, security and desktop virtualization solutions. The Chromebook is supported by Dell's unique IP from Dell KACE, providing inventory management and service desk support. Additionally, Dell SonicWALL Mobile Connect (VPN) app, in combination with a Dell Secure Mobile Access appliance or next generation firewall, provides secure access to authorized company resources, access reporting and tracking.



Dell has it.

The ability to integrate Chromebooks into the existing environment

Provide customers a means to include chrome into their environment with revamping their entire infrastucture

Provide data access for workers that is protected behind company firewalls using a virtual private network (VPN) solution via chrome.

The ability to provide access to Micrsoft Office and legacy applications

Office still looms large; Office365 and Google Docs do not provide enough of the functionality to replace it

Most companies have at least one to two applications that are critical that will not moved to web

Dell provides professionally built chrome books for both education and business.

From high resolution touch displays to carbon fiber chassis and the latest in processor performance and durablity.

Dell Chromebooks are Secure, Manageable and Reliable

Dell Chromebooks allow customers to take advantage of Dell's leading manageability, security and desktop virtual- ization solutions

VPN and proxy filtering

SonicWall will deliver VPN and proxy filtering services for Chrome by Q3'15

Device manageability

Kace K1000 v6.3 was the first appliance to manage Chromebooks

Legacy applications and Microsoft Office delivery

vWorkspace v8.5 includes Chromebook support

Wyse has plans for new ChromeOS connector and on-prem virtualization in a box targeted at SMBs

Citrix receiver in Chrome store

Professional Chromebook

Meridian will be the first Chrome for Work Professional grade device

Dell Chromebox for Meetings (3010)

High Definition Video Conferencing Made Affordable and Easy

Key features	Why it matters
Complete Google Video Conference Solution "In a Box"	Provide a easy to install and use solution that costs thousands less than other video conferencing solutions.
Includes Chromebox/Speaker/Camera/Remote/Software	A simple turn-key solution to video conferencing using the web.
Intel 4th Generation i7-4600U Processor	Plenty of processing power to facilitate live meetings.
Google Chrome OS based seamless Google Apps integration	Using chrome ensures a seamless integration with Google apps.
VESA Mounting solution for easy attach to Dell Displays	Simple mounting options designed to work with Dell displays to keep maximize space constraints
Recommended Dell Displays and Accessories to enhance experience	Dell displays are designed to work with the vesa mount available for mounting the chromebox and accessories out of the way
$999 solution for 5-10 person Video Conference	For less than $1,000 you can provide video teleconferencing for 5 to 10 users.

Recommended Accessories

Dell Monitors

Dell Monitors easily connect to Dell Chromebox with HDMI
Available in sizes from 17" to 55" and in touch or non-touch models

Keyboard

Dell Multimedia Keyboard for Chrome specifically designed for Chrome OS and approved by Google

Optical Mouse

Dell USB 3-Button Optical Mouse
Maximize comfort and productivity with high-performance wired optical mouse

Resources

Video

Dell Chromebox (3010)

Computing using Chrome OS Made Easy, Compact and Affordable

Key features	Why it matters
Affordable desktop running Google Chrome OS	Affordable solution for web browsing and using Google Apps. Using Chrome OS makes it easy to integrate with Google apps and accessing the cloud
Intel Celeron 2955u / Core i3 configurations	Plenty of processing power to browse and access information using cloud based applications
Compact design	Small and light enough to mount on a monitor Height: 42.5 mm / 1.7 inches, Depth: 124 mm / 4.9 inches, Weight: 530 g / 1.2 pounds
VESA Mounting solution for easy attach to Dell Displays	Convenient design to minimize space requirements when used with Dell displays
Wireless connectivity	Stream your internet anywhere in the office without a hard-wired connection. The Dell Chromebox features convenient Wi-Fi and Bluetooth 4.0 connectivity options
Always secure	Running on the reliable Chrome OS, your system is automatically updated with the latest security fixes and features. All your apps and files are securely stored in the cloud
Green power	Designed to be intelligently efficient, the Dell Chromebox was honored with an EPEAT Gold award, making it the greenest in its category

Recommended Accessories

Dell Monitors

Dell Monitors easily connect to Dell Chromebox with HDMI

Available in sizes from 17" to 55" and in touch or non-touch models

Keyboard

Dell Multimedia Keyboard for Chrome specifically designed for Chrome OS and approved by Google

Optical Mouse

Dell USB 3-Button Optical Mouse

Maximize comfort and productivity with high-performance wired optical mouse

Resources

Video

Dell Chromebook 11 (3120)

Designed for the modern classroom and tough enough for the back pack

Key features	Why it matters
Purpose built for the classroom and the backpack	Mil-spec tested for drops, spills and vibration to survive the daily rigors of student use and transporting in their back packs.
11.6" display	Designed to accommodate educational requirements for viewing and standardized test taking.
Powered by Intel Baytrail-M N2840 Processor	A balance of power and value to accommodate school budgets
2GB or 4GB RAM, 16GB SSD	Provides a choice of memory options for varying application requirements.
Ports: HDMI, 1 USB 3.0, 1 USB 2.0, SD slot	Multiple ports designed to support most common external devices in the education environments
Connectivity: Wi-Fi 802.11ac 2x2 & BT 4.0	Designed with a 2x2 WWAN wireless card to support required bandwidth in the classroom
Dell Activity Light	Innovative Interactive Activity Light as visual indicator to enhance classroom experience for polling, grouping and interruption free correspondence with students.
Available with Gorilla Glass Touch option (anti-glare)	3x more durable this display option supports touch applications and is coated with an anti-glare filter to reduce screen reflection

Recommended Accessories

Dell TEK Backpack

Spacious backpack leaves lots of room for important items
Designed for durability and comfort
Water-resistant exterior with padded straps and back for comfort

Award-winning Dell Monitors

Dell Monitors easily connect to Dell Chromebox with HDMI
Available in sizes from 17" to 55" and in touch or non-touch models

Dell Mobile Computing Cart-Unmanaged

Stores and charges up to 30 Chromebooks
Optional upgrade kit for easy docking to power – seamlessly connect just by sliding Chromebook into a slot
Locking steel doors keep Chromebooks secure

Resources

Video

Dell Chromebook 13 (7310)

Balance of sleek design and performance for the uncompromising professional

Key features	Why it matters
Stylish, sleek 13.3" design Premium Chassis Materials, Fit and Finish	A new professional Chromebook designed from the ground up from customer research that is <3 lbs, sleek and powerful enough to appease the most discriminating taste.
Intel Broadwell CPU's (Celeron, i3, i5)	Provides customers a professional Chromebook with an option of either i3 or i5 processing power.
13.3" IPS Full HD display (Touch and Anti-Glare Non-Touch)	Crisp FHD display that has a touch option for professionals and is easy on the eyes with anti-glare included.
2/4/8 GB system memory	Provides flexible memory options for varying applications used by businesses.
12+ hr.. battery life	No need to carry the power cord during the day.
1x USB 2.0 1x USB 3.0, Bluetooth 4.0, HDMI, mini-SD Card reader	Accommodates multiple external peripherals to keep you productive when working.
802.11 AC Wireless	2x2 wireless provides needed bandwidth to transfer files seamlessly
Backlit Keyboard / Glass TouchPad	Work in low light conditions and experience a touch pad that reduces finger fatigue like no other.
Dell IP to support Google Ecosystem (KACE, Wyse, Sonic Wall)	Dell provides an entire management ecosystem for Chrome including KACE, Sonic Wall and Wyse technologies.

Recommended Accessories

Dell Premier Backpack

Spacious backpack leaves lots of room for important items
Special compartments for accessories
Designed for durability and comfort
TSA-friendly

Award-winning Dell Monitors

Dell Monitors easily connect to Dell Chromebox with HDMI
Available in sizes from 17" to 55" and in touch or non-touch models

Dell Multimedia Keyboard for Chrome

Specifically designed for Chrome OS and approved by Google
Full-sized Wired keyboard with Chrome shortcut keys and number pad allows for high productivity

Dell HDMI to VGA Adapter

Expand your view onto any VGA monitor or projector

Dell USB 3.0 to Ethernet Adapter

Connect your Chromebook to your network at up to Gigabit speeds

Dell IE600 Wired In-Ear Headset

Listen to music or chat online
Comfortable in-ear design
Includes inline remote & mic

XPS

Form and function without compromise

Elite mobile devices constructed of premium materials with best-in-class security and full manageability

Dell XPS laptops

	Dell XPS 15	Dell XPS 13	Dell XPS 12
Screen size	15.6”	13.3”	12.5”
Processor	Intel® Core™ i3, i5 Quad Core or i7 Quad Core	Intel® Core™ i3, i5 or i5	Intel® m5
Graphics	Intel HD 530 or NVIDIA GeForce® GTX™ 960M	Intel HD 520	Intel HD 515
Storage	Up to 1TB PCIe SSD or up to 1TB hard drive + 32GB SSD	Up to 1TB PCIe SSD	Up to 256GB SSD
Battery life	Up to 17 hours	Up to 18 hours, 14 minutes	Targeting up to 8 hours
Starting weight	3.9 lbs. | 1.78 kg	2.7 lbs. | 1.2 kg	2.8 lbs. | 1.27 kg
Positioning	Powerhouse performance and stunning display in the smallest 15-inch on the planet	Designed to be the best performing laptop of its size	Innovative design for the best 2-in-1 experience

NEW XPS 13

The world's smallest 13" laptop with the world's first virtually borderless InfinityEdge display - amazing both inside and out.

XPS 13 key features	Why it matters
Only InfintyEdge display on a 13-inch	Smallest 13-inch laptop on the planet enabled by 5.2mm borders; 11-inch size, and only 15mm thin, starting at 2.7lbs
UltraSharp™ Quad HD+ (3200 x 1800) InfinityEdge touch display	Stunning detail, rich and accurate color (72% color gamut, 1000:1 contrast ratio), bright display for using in outdoor light (400-nit), view from every angle (IPS)
Up to 18 hours, 14 minutes of battery life	Stay unplugged longer on the go.
6th gen Intel up to i7, memory up to 16GB, large storage up 1TB, Thunderbolt™ 3	Even higher performance. Small size, big performance. Newest Intel processors and more memory to speed through the most intense applications. Faster and larger amounts of storage (up to 1TB PCIe SSD); Thunderbolt 3 enables one cable docking and 8x faster downloads than USB 3.0
Backlit keyboard and precision touchpad	Keyboard illuminates for use in low light and no light situations Precision touchpad works flawlessly. No jumping/floating cursors.
Machined aluminum, carbon fiber, Corning® Gorilla Glass NBT™	Superior materials and build quality – durable and stunning

Recommended Accessories

Mobile essential accessories for your XPS 13

Enhance the mobility of your XPS 13 with accessories that can help you stay powered up, connected, and protected on the go.

Dell Premier Sleeve (S)

Protect your XPS 13 on the go with a sleek, custom-fitted sleeve to use alone or inside a case.

Dell Adapter - USB Type C to HDMI/VGA/Ethernet/USB 3.0

Connect your XPS 13 to multiple devices – projectors, TV's, displays, and Ethernet – from the USB Type-C port without carrying multiple dongles.

Dell Power Companion (12,000 mAh) - PW7015L

Power and charge your XPS 13 along with your phone and tablet while you are on the go with the Dell Power Companion.

Dell Bluetooth Mouse - WM615

Combine high-performance with an innovative design which lets you transform from comfort to ultra portability and increase your productivity in virtually any setting.

Dell Premier Backpack (M)

Keep your XPS 13 and accessories organized and secure in a TSA Checkpoint-Friendly* design with features specifically designed for Dell accessories.

Work essentials to maximize your office productivity

Maximize the performance of your XPS 13 with the ultimate work accessories that can help you increase your productivity in the office.

Dell Thunderbolt Dock – TB15

Charge and connect your XPS 13 to up to three FHD displays and five other peripheral devices and enable higher-speed data transfer and increased video performance with a single, Thunderbolt TM USB Type-C cable to provide power, Ethernet, audio, USB, and video.

Dell UltraSharp 32 Ultra HD Monitor – UP3216Q

See your work in stunning clarity with Ultra HD 4K screen resolution and exceptionally high pixel density featuring PremierColor for superb color consistency and accuracy.

Dell Wireless Keyboard and Mouse Combo - KM714

Expand your productivity and keep your desk clutter-free with this combo that includes a number pad and LED precision tracking.

Resources

Product overview video

Gen over Gen Feature Comparison

Dell XPS 13 (9343) and NEW Dell XPS 13 (9350)

Platform	Dell XPS 13 (9343)	Dell XPS 13 (9350)
Display	13.3" UltraSharp™ Quad HD+ (3200x1800) InfinityEdge touch display 13.3" FHD (1920 x 1080) InfinityEdge display, anti-glare 400-nit, 72% color gamut, 800:1 contrast ratio, 170° IPS	13.3" UltraSharp™ Quad HD+ (3200x1800) InfinityEdge touch display 13.3" FHD (1920 x 1080) InfinityEdge display, anti-glare 400-nit, 72% color gamut, 800:1 contrast ratio, 170° IPS
Architecture	Haswell H	**Skylake H**
Construction	CNC machined aluminum ETE Corning® Gorilla® Glass NBT™ on QHD+ Carbon fiber composite palm rest	CNC machined aluminum ETE Corning® Gorilla® Glass NBT™ on QHD+ Carbon fiber composite palm rest
Weight and dimensions	Weight: Starting at 2.6lbs (1.18kg)* , 2.8lbs (1.27kg)* for touch Dimensions: Height: 0.33-0.6" (9-15mm)/Width: 11.98" (304mm)/Depth: 7.88" (200mm)	Weight: Starting at 2.7lbs (1.2kg)* , 2.9lbs (1.29kg)* for touch Dimensions: Height: 0.33-0.6" (9-15mm)/Width: 11.98" (304mm)/Depth: 7.88" (200mm)
Graphics	Intel® HD Graphics 5500	**Intel® HD Graphics 520**
Memory	4-8GB DDR3L 1600MHz (On Board)	**4GB-16GB Dual Channel LPDDR3 SDRAM at 1866MHz (On Board)**
Storage	128GB, 256GB or 512GB SSD	**128GB SATA, 256GB PCIe, 512GB PCIe, 1TB PCIe SSD**
Keyboard/ TouchPad	Full size, backlit chiclet keyboard Precision touchpad, seamless glass integrated button	Full size, backlit chiclet keyboard Precision touchpad, seamless glass integrated button
Battery life	Up to 15 hours battery life for FHD	Up to **18 hours, 14 minutes** with FHD
I/O Ports	USB 3.0 (2) - 1 w/PowerShare, SD card reader (SD, SDHC, SDXC), headset jack (1), Noble lock slot (1), Mini DisplayPort (1)	USB 3.0 (2) - 1 w/PowerShare, SD card reader (SD, SDHC, SDXC), headset jack (1), Noble lock slot (1), **Thunderbolt™ 3 (1)**
Networking/ Comms	Dell Wireless 1560 802.11ac / Bluetooth 4.0 Intel® Dual Band 7265 802.11ac / Bluetooth 4.0 Intel® Dual Band 7265 802.11agn / Bluetooth 4.0	Intel® 8260 2x2 802.11ac/Bluetooth 4.1 Dell Wireless 1820A 2x2 802.11ac/Bluetooth 4.1
Operating System	Windows 8.1, Windows 8.1 Professional, Ubuntu, Windows 7 Professional	**Windows 10,** Windows 8.1 (driver support only), Windows 7 Professional, Ubuntu
BIOS	Dell BIOS – Full Manageability	Dell BIOS – Full Manageability
Docking	USB 3.0 dock	Commercial grade docking with **new Dell Wired Thunderbolt dock (Jan, 2016) & Dell Dock**

NEW XPS 15

The world's smallest 15" laptop with a virtually borderless InfinityEdge display - all in our most powerful XPS laptop.

XPS 15 key features	Why it matters
Only InfintyEdge display on a 15-inch	Smallest 15-inch laptop on the planet enabled by 5.7mm borders; 14-inch size, only 11-17mm thin and starting at 3.9lbs (the lightest 15-inch performance laptop)
UltraSharp™ 4K Ultra HD (3840 x 2160) InfinityEdge touch display	Stunning detail, rich and accurate color (100% color gamut/ 100% minimum Adobe RGB, 1000:1 contrast ratio), bright display for using in outdoor light (350-nit), view from every angle (IPS)
6th gen Intel up to i7 Quad Core, GDDR5 NVIDIA® graphics, high performance memory up to 16GB, large storage, Thunderbolt™ 3	Powerhouse performance. Our most powerful XPS laptop ever. Newest Quad Core processors and faster memory to speed through the most intense applications. Faster and larger amounts of storage (up to 1TB HDD or PCIe SSD); Thunderbolt 3 enables one cable docking and 8x faster downloads than USB 3.0
Up to 17 hours battery life	Stay unplugged longer on the go.
Backlit keyboard and precision touchpad	Keyboard illuminates for use in low light and no light situations Precision touchpad works flawlessly. No jumping/floating cursors.
Machined aluminum, carbon fiber, Corning® Gorilla Glass NBT™	Superior materials and build quality – durable and stunning

Recommended Accessories

Mobile essential accessories for your XPS 15

Enhance the mobility of your XPS 15 with accessories that can help you stay powered up, connected, and protected on the go.

Dell Premier Sleeve (L)

Protect your XPS 15 on the go with a sleek, custom-fitted sleeve to use alone or inside a case.

Dell Adapter - USB Type C to HDMI/VGA/Ethernet/USB 3.0

Connect your XPS 15 to multiple devices – projectors, TV's, displays, and Ethernet – from the USB Type-C port without carrying multiple dongles.

Dell Power Companion (18,000 mAh) - PW7015L

Power and charge your XPS 15 along with your phone and tablet while you are on the go with the Dell Power Companion.

Dell Bluetooth Mouse - WM615

Combine high-performance with an innovative design which lets you transform from comfort to ultra portability and increase your productivity in virtually any setting.

Dell Premier Backpack (M)

Keep your XPS 15 and accessories organized and secure in a TSA Checkpoint-Friendly* design with features specifically designed for Dell accessories.

Work essentials to maximize your office productivity

Maximize the performance of your XPS 15 with the ultimate work accessories that can help you increase your productivity in the office.

Dell Thunderbolt Dock – TB15

Charge and connect your XPS 15 to up to three FHD displays and five other peripheral devices and enable higher-speed data transfer and increased video performance with a single, Thunderbolt TM USB Type-C cable to provide power, Ethernet, audio, USB, and video.

Dell UltraSharp 32 Ultra HD Monitor – UP3216Q

See your work in stunning clarity with Ultra HD 4K screen resolution and exceptionally high pixel density featuring PremierColor for superb color consistency and accuracy.

Dell Wireless Keyboard and Mouse Combo - KM714

Expand your productivity and keep your desk clutter-free with this combo that includes a number pad and LED precision tracking.

Resources

Product overview video

Gen over Gen Feature Comparison

Dell XPS 15 (9530) and NEW Dell XPS 15 (9550)

Platform	Dell XPS 15 (9530)	Dell XPS 15 (9550)
Display	15.6" FHD (1920x1080) touch display 15.6" UltraSharp™ UHD (3840 x 2160) touch display 400-nit, 72% color gamut, 800:1 contrast ratio, 160° wide viewing	15.6" FHD (1920x1080) **InfinityEdge** display, **anti-glare (non-touch)** 15.6" UltraSharp™ 4K UHD (3840 x 2160) **InfinityEdge** touch display 350-nit, **100% minimum Adobe RGB on 4K, 1500:1 contrast ratio, 170° IPS**
Architecture	Haswell H	**Skylake H**
Construction	CNC machined aluminum, carbon fiber composite base ETE Corning® Gorilla® Glass NBT™ Silicone palm rest with soft touch paint	CNC machined aluminum ETE Corning® Gorilla® Glass NBT™ on 4K **Carbon fiber composite palm rest**
Weight and dimensions	Weight: Starting at 4.44lbs (2.01kg)* Dimensions: Height: 0.3"-0.7"/(8-18mm)/ Width: 14.6" (372mm)/ Depth 10" (254mm)	Starting at **3.9 lbs (1.78kg)** with 56Whr** battery, SSD, and non-touch display; Starting at 4.4 lbs (2kg) with 84Whr** battery, SSD and touch display Dimensions: **Height: 0.45-0.66 inches (11-17mm) / Width: 14.06 inches (357mm) / Depth: 9.27 inches (235mm)**
Graphics	Intel® HD 4400 (i5-4200H) NVidia® GeForce GT 750M 2GB GDDR5 (i7-4702HQ)	**Intel® HD Graphics 530** **NVIDIA GeForce® GTX™ 960M 2GB GDDR5 graphics**
Memory	8-16GB DDR3L 1600MHz (2 SoDIMMs)	**8-16GB DDR4 2133MHz (2xSoDIMM)**
Storage	Up to 1TB HDD + 32GB Flash or 512GB SSD	**500GB HDD + 32GB Flash or 1TB HDD + 32GB Flash, 256GB PCIe SSD, 512GB PCIe SSD, or 1TB PCIe SSD**
Keyboard/ TouchPad	Standard full size, backlit chiclet keyboard; Glass integrated button touchpad with gesture support	Full size, backlit chiclet keyboard **Precision touchpad**, seamless glass integrated button
Battery life	Up to 11 hours battery life for FHD	Up to **17 hours** wireless web with FHD, 84WHr battery and SSD Up to 10 hours, 28 minutes with 4K UHD, 84WHr battery and SSD
I/O Ports	USB 3.0 w/PowerShare (3), USB 2.0 with PowerShare (1), mini DisplayPort (1), HDMI (1), 3-in-1 media card reader supporting SD, SDIO, SDXC, headset jack (1), Noble lock	HDMI, **USB 3.0 (x2) with PowerShare;** Headset Jack (1); SD card reader (SD, SDHC, SDXC); **Kensington Lock slot; Thunderbolt™ 3 (1)**
Networking/ Comms	Intel® Wireless-AC 7260 / Bluetooth 4.0	Dell Wireless 1820A 2x2 802.11ac/Bluetooth 4.1 Dell Wireless 1830 3x3 802.11ac/Bluetooth 4.1
Operating System	Windows 8.1, Windows 8.1 Professional	**Windows 10**
BIOS	Non-Dell BIOS	**Dell BIOS – Full Manageability**
Docking	USB 3.0 dock	Commercial grade docking with **new Dell Wired Thunderbolt dock (Jan, 2016) & Dell Dock**

NEW XPS 12

Move seamlessly from laptop to tablet with an innovative design, perfecting the 2-in-1 experience.

XPS 12 key features	Why it matters
Innovative, simple and elegant 2-in-1	Designed to easily transition from laptop to tablet. Magnetic connection enables a one-handed transition.
Lightweight laptop + larger than life tablet	A slim mobility base for laptop productivity, starting at only 2.8lb. Display optimized when you are in tablet mode with large 12.5-inch 4K display
Windows 10 and Dell Active stylus	Microsoft Edge, Cortana, Continuum; Dell Active Pen for note taking with OneNote, casual sketching with Bamboo paper or writing on webpages and sharing with Microsoft Edge
UltraSharp™ 4K Ultra HD (3840 x 2160) touch display – 1st in a 2-in-1	Stunning detail, rich and accurate color (100% color gamut/ 100% typical Adobe RGB, 1500:1 contrast ratio), bright display for using in outdoor light (400-nit), view from every angle (IPS)
13MP of cameras	8MP world-facing for sharp photos and videos; 5MP user-facing for crystal clear video conferencing
Thunderbolt™ 3	Enables one-cable docking and 8x faster transfer speeds than USB 3.0
Backlit keyboard and precision touchpad	Keyboard illuminates for use in low light and no light situations Precision touchpad works flawlessly. No jumping/floating cursors.

Recommended Accessories

Mobile essential accessories for your XPS 12

Enhance the mobility of your XPS 12 with accessories that can help you stay powered up, connected, and protected on the go.

Dell Premier Folio

Protect your XPS with a sleek magnetic cover that also functions as a stand with variable angle positions.

Dell Adapter - USB Type C to HDMI/VGA/Ethernet/USB 3.0

Connect your XPS 12 to multiple devices – projectors, TV's, displays, and Ethernet – from the USB Type-C port without carrying multiple dongles.

Dell Active Pen

Interact with your XPS 12 with an ergonomic active stylus that offers industry leading precision and superior writing performance.

Dell Bluetooth Mouse - WM615

Combine high-performance with an innovative design which lets you transform from comfort to ultra portability and increase your productivity in virtually any setting.

Dell Premier Backpack (M)

Keep your XPS 13 and accessories organized and secure in a TSA Checkpoint-Friendly* design with features specifically designed for Dell accessories.

Work essentials to maximize your office productivity

Maximize the performance of your XPS 12 with the ultimate work accessories that can help you increase your productivity in the office.

Dell Dock – WD15

Charge and connect your XPS 12 to up to two FHD displays and five other peripheral devices and enable increased video performance with a single, USB Type-C cable to provide power Ethernet, audio, USB, and video.

Dell UltraSharp 32 Ultra HD Monitor – UP3216Q

See your work in stunning clarity with Ultra HD 4K screen resolution and exceptionally high pixel density featuring PremierColor for superb color consistency and accuracy.

Dell Wireless Keyboard and Mouse Combo - KM714

Expand your productivity and keep your desk clutter-free with this combo that includes a number pad and LED precision tracking.

Dell XPS 13 Key Claims

- Smallest 13-inch on the planet***
- World's first/only laptop with InfinityEdge display
- 13-inch laptop in an 11-inch form*
- QHD+ display has over 4.4 million (4.4x) more pixels than the MacBook Air 13 (or other products with HD+ displays)* and over 2.4 million more pixels (1.7x) than the MacBook 12 with Retina
- QHD+ display has over 2.5X more pixels than a Full HD display and 5x that of HD.*
- Up to 100% brighter than a typical panel (200-nit typical).
- 80% of the XPS 13 panel is active panel vs. 69% for the MacBook Air 13*
- The XPS 13 has the longest battery life of any 13-inch laptop***
- The XPS 13 is 17% smaller than the MacBook Air 13*
- Dell XPS 13 is the world's most manageable 13-inch**

MacBook Air 13

XPS 13

MacBook Air 11

*Based on internal Dell analysis performed July 2015.

**Dell internal analysis conducted on comparable Lenovo and HP PC products. Apple Mac products not tested. Manageability features analyzed are those allowing IT administrators to change, update and monitor PCs in their domains – further details available upon request.

***Based on Principled Technologies Report of October 2015, the smallest refers total surface area of the notebooks. Full report found here. http://www.principledtechnologies.com/Dell/XPS_13_9350_comparison_1015.pdf

Config	Wireless web browsing	MobileMark 14	HD video playback
Intel Core i3 processor, FHD display, 4GB memory, 128GB SSD	Up to 18 hours, 14 minutes with FHD[1]	17 hours with FHD[2]	Up to 12 hours with FHD[3]
Intel Core i7 processor, QHD+ display, 8GB memory, 256GB SSD	Up to 11 hours with QHD+[1]	Up to 10 hours with QHD+[2]	Up to 8 hours with QHD+[3]

The Dell Power Companion provides up to an additional 10 hours[4] battery life
Get up to 28 hours[1,4] total battery life when adding the Dell Power Companion

1. Wireless web browsing: Based on the BrowsingBench benchmark test conducted by Dell labs in September 2015 with system brightness set to 150-nits (40%) and wireless enabled. For more information about BrowsingBench, visit www.eembc.org. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.
2. Mobile Mark 2014 battery life: Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.
3. Video Playback: Testing conducted by Dell labs in September 2015 with display brightness set to 150 nits (40%) and wireless enabled. Based on playing back FHD (1080p) content using Microsoft Movies & TV application. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.
4. **Extended (10) hour** calculation estimate is based on system to Dell Power Companion battery capacity ratio and published wireless web browsing battery life results.

Dell XPS 15 Key Claims

- Smallest 15-inch on the planet***
- World's first/only 15-inch laptop with InfinityEdge display
- Thinnest frame on a 15-inch notebook today (5.7mm) – 59% thinner than the MacBook Pro 15 bezel.
- The XPS 13 is 5% smaller and 13% lighter than the MacBook Pro 15*
- 15-inch laptop in an 14-inch form*
- Lightest performance class 15-inch on the planet***
- Dell has the only 100% minimum Adobe RGB display on a laptop
- 4K Ultra HD display has over 3 million more than the MacBook Pro 15 Retina*, 2.5 million (44%) more than QHD+*, over 4X (6 million) more pixels than a Full HD* and 7x (7 million) that of HD.*
- Brighter than a typical panel (200-nit typical).
- The new XPS 15 supports memory with at a bandwidth of 2133MHz, 1.3x the speed of 1600MHz options.
- Dell XPS 15 is the world's most manageable 15-inch**
- XPS is the greenest/most environmentally friendly portfolio of laptops we offer

*Based on internal Dell analysis performed July 2015.

**Dell internal analysis conducted on comparable Lenovo and HP PC products. Apple Mac products not tested. Manageability features analyzed are those allowing IT administrators to change, update and monitor PCs in their domains – further details available upon request.

***Based on Principled Technologies Report of October 2015, the smallest refers total surface area of the notebooks. Full report found here. http://www.principledtechnologies.com/Dell/XPS_15_comparison_1015.pdf

Config	Wireless web browsing	Mobile Mark 14	HD video playback
Intel Core i7 processor, 4K UHD display,16GB memory, 512GB SSD, Nvidia GTX 960	Up to 10 hours, 28 minutes[1] with 4K UHD, 84WHr battery and SSD	Up to 9 hours, 17 minutes[2] with 4K UHD, 84WHr battery and SSD	Up to 7 hours, 18 minutes[3] with 4K UHD, 84WHr battery and SSD
Intel Core i7 processor, FHD display, 16GB memory, 512GB SSD, Nvidia GTX 960	Up to 17 hours[1] with FHD, 84WHr battery and SSD	Up to 16 hours, 13 minutes[2] with FHD, 84WHr battery and SSD	Up to 9 hours, 14 minutes[3] with FHD, 84WHr battery and SSD

The Dell Power Companion provides up to an additional 9 hours[4] battery life
Get up to 26 hours[1,4] total battery life when adding the Dell Power Companion

1. Wireless web browsing: Based on the BrowsingBench benchmark test conducted by Dell labs in September 2015 with system brightness set to 150-nits (40%) and wireless enabled. For more information about BrowsingBench, visit www.eembc.org. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.
2. Mobile Mark 2014 battery life: Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.
3. Video Playback: Testing conducted by Dell labs in September 2015 with display brightness set to 150 nits (40%) and wireless enabled. Based on playing back FHD (1080p) content using Microsoft Movies & TV application. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.
4. **Extended (9) hour** calculation estimate is based on system to Dell Power Companion battery capacity ratio and published wireless web browsing battery life results.

Dell XPS 12 Key Claims

- Smaller, thinner and lighter than the Microsoft Surface Pro 3***
- Dell offers the first/only 2-in-1 tablet with 4K UHD display
- 4K Ultra HD display provides 44% more pixels (2.5 million more) than QHD+, 2x (4.6 million) than that of QHD, over 4X (6 million) more pixels than a Full HD display and 7x (7 million) that of HD
- Brighter than a typical panel (200-nit typical).
- Dell XPS 12 is the world's most manageable 12-inch**
- XPS is among the most environmentally friendly portfolio of laptops we offer

*Based on internal Dell analysis performed July 2015.

**Dell internal analysis conducted on comparable Lenovo and HP PC products. Apple Mac products not tested. Manageability features analyzed are those allowing IT administrators to change, update and monitor PCs in their domains – further details available upon request.

Config	Wireless web	Mobile Mark 14	HD video playback
Intel Core m6Y54 processor, FHD display, 8GB memory, 128GB SSD	Up to 8 hours with FHD[1]	Up to 7 hours, 58 minutes with FHD[2]	Up to 6 hours, 52 minutes with FHD[3]
Intel Core m6Y54 processor, 4K UHD display, 8GB memory, 256GB SSD	Up to 5 hours with 4K UHD[1]	Up to 5 hours, 6 minutes with 4K UHD[2]	Up to 4 hours, 29 minutes with 4K UHD[3]

1. Wireless web browsing: Based on the BrowsingBench benchmark test conducted by Dell labs in September 2015 with system brightness set to 150-nits (40%) and wireless enabled. For more information about BrowsingBench, visit www.eembc.org. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.
2. Mobile Mark 2014 battery life: Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.
3. Video Playback: Testing conducted by Dell labs in September 2015 with display brightness set to 150 nits (40%) and wireless enabled. Based on playing back FHD (1080p) content using Microsoft Movies & TV application. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.

XPS
Form and function without compromise

XPS 15

Over 8 million reasons to love this powerful 15-inch laptop. Powerhouse performance with stunning 4K Ultra HD display

XPS 13

The smallest 13-inch laptop. An elite mobile device constructed of premium materials with best-in-class security and full manageability.

The Dell XPS 13 is Dell's best-reviewed consumer product in recent memory with more than 250 excellent reviews and more than 70 awards globally.

Dell's New XPS 13 Laptop Makes Me Seriously Regret My MacBook Air Purchase - Jason Evangelho, Forbes
"The MacBook Air Meets its Match"- Geoffrey Fowler, Wall Street Journal
"In short, the Dell XPS 13 is the **best 13-inch notebook** available today." - Digital Trends
"...**the one to beat**."- Nathaniel Wice, Barron's
"Dell's **insanely thin** XPS 13 laptop will wow you." - PC World

XPS 13 Highlights

224 global excellent reviews and awards to date

28 CES 2015 Awards

371M social reach to date

67,886 social posts to date

Forbes
"Dell has unveiled an updated version of their XPS 13 laptop that has sent my hardware lust into overdrive, and inconceivably stirred up regret over buying Apple's 13-inch MacBook Air last year. As of right now, if I was walking into a potential notebook purchase again and I was faced with an XPS 13 and a 13-inch MacBook Air, I'd choose Dell's latest in a heartbeat."
Jason Evangelho, Forbes

Jan. 7: Dell unveils its new Product Portfolio at CES 2015

PC ADVISOR
"The latest version of the XPS 13 from Dell caught our eye at CES in Las Vegas this year and is one of the best products we saw.
The device is the smallest 13in notebook PC, has an affordable price tag, touchscreen and 15 hours of battery life."
Chris Martin, PC Advisor (UK)

Jan. 15: The Dell XPS 13 garners international coverage

re/code
"Right away, I was struck by the XPS 13's design, general performance was smooth and swift and battery life on the XPS 13 was some of the best I've experienced from a Windows laptop. If you're in the market for a Windows laptop, the XPS 13 should be at the top of your list."
Bonnie Cha, Re/code

Feb. 6: The Dell XPS 13 receives an excellent review

ZDNet
"The next version of Windows should arrive in the not too distant future, and the Windows 10 Preview process is in full swing. The Dell XPS 13 may be the best laptop currently available. The most notable option is the high-resolution (3200 x 1800) touch screen, which will be great with Windows 10."
James Kendrick, ZDNet

Feb. 20: In anticipation of the impending Windows 10, Dell's XPS 13 is noted as one of the best laptops for the software

Forbes
"Dell's reinvented XPS 13 raised the quality bar with its "Infinity" display, a jaw-droppingly gorgeous edge-to-edge screen with a barely there bezel. In my Forbes review I praised the XPS 13 for its aesthetics, performance, and battery life, declaring it the new leader in the thin and light category."
Jason Evangelho, Forbes

Mar. 10: Forbes lists XPS13 number 1 alternative to new MacBook

FY'15 – FY'16

Jan. 14: The Dell Venue 8 7000 and XPS 13 gain post-CES momentum

USA TODAY
"Seductive is rarely the first word that leaps to mind when you think of Dell. But the descriptor aptly applies to the svelte new Dell XPS 13 notebook. Dell separately showcased a new Android tablet that has sex appeal, the Venue 8 7000, which the company claims as the world's thinnest tablet. Dell has gotten a lot right here, in both its tablet and new notebook."
Ed Baig, USA Today

Jan. 20: The Dell XPS 13 is recognized as a rightful competitor to Apple MacBook products

WSJ
"For years, laptop makers have been playing catch-up with the hardware in Apple's slender $1,000 MacBook Air. With the 2015 version of the XPS 13, Dell has finally matched it. Dell's newest compact powerhouse balances sleek design, state-of-the-art performance and great battery life."
Geoffrey A. Fowler, WSJ

Feb. 25: The Dell XPS 13 was noted as making "the MacBook Air look weak"

Mashable
"Dell XPS 13 makes the MacBook Air look weak
Dell's latest XPS 13 ultraportable computer is an absolute stunner. The 13-inch laptop, which starts at a low $799, is somehow well priced and really well built. The XPS 13 is a startling example of what a laptop in 2015 should be: Functional and pretty, light and powerful, with a beautiful screen that doesn't seriously compromise battery life."
James Pikover, Mashable

Mar. 12: Dell received five from five stars in a review in the UK

theguardian
The Guardian published an excellent review of the XPS 13, awarding it five out of five stars. The review highlights its Quad HD+ screen, thin bezels, good touchpad, solid keyboard, aluminium construction and aggressive pricing. The review described the XPS 13 as having 'a screen to beat Apple.'
Tom Warren, The Verge

Target EOL Q1 CY17

XPS 13

The world's smallest 13" laptop with the world's first virtually borderless InfinityEdge display - amazing both inside and out.

XPS 13 key features	Why it matters
Only InfintyEdge display on a 13-inch	Smallest 13-inch laptop on the planet enabled by 5.2mm borders; 11-inch size, and only 15mm thin, starting at 2.6lbs
UltraSharp™ Quad HD+ (3200 x 1800) InfinityEdge touch display	Stunning detail, rich and accurate color (72% color gamut, 1000:1 contrast ratio), bright display for using in outdoor light (400-nit), view from every angle (IPS)
Over 15 hours* on Full HD non-touch and over 11 hour*s on QHD+ plus up to 7 additional hours* with the Dell Power Companion	Stay unplugged longer on the go.
5th gen Intel up to i7, solid state drives	Higher performance. Small size, big performance. Intel processors up to Core i7 to smoothly run all your programs and apps. Boot and resume in seconds with solid state drives.
Backlit keyboard and precision touchpad	Keyboard illuminates for use in low light and no light situations Precision touchpad works flawlessly. No jumping/floating cursors.
Machined aluminum, carbon fiber, Corning® Gorilla Glass NBT™	Superior materials and build quality – durable and stunning

Recommended Accessories

Mobile essential accessories for your XPS 13

Enhance the mobility of your XPS 13 with accessories that can help you stay powered up, connected, and protected on the go.

Dell Premier Sleeve (S)

Protect your XPS 13 on the go with a sleek, custom-fitted sleeve to use alone or inside a case.

Dell Adapter - USB to HDMI/VGA/Ethernet/USB 2.0

Connect to Projectors, TV's, and Ethernet without the burden of carrying multiple dongles using the ultra portable adapter.

Dell Power Companion (12,000 mAh) - PW7015L

Power and charge your XPS 13 along with your phone and tablet while you are on the go with the Dell Power Companion.

Dell Premier Backpack (M)

Keep accessories, tablets, and notebooks organized and secure with the Dell Premier Backpack with features specifically designed for Dell accessories.

Work essentials to maximize your office productivity

Maximize the performance of your XPS 13 with the ultimate work accessories that can help you increase your productivity in the office.

Dell Docking Station – USB 3.0

Connect up to three displays– one Ultra HD 4K and two traditional - and up to five other peripheral devices with this high-performance featuring SuperSpeed™ USB 3.0.

Dell UltraSharp 32 Ultra HD Monitor – UP3214Q

Get four times the resolution of Full HD and view a new level of clarity and detail with the Dell UltraSharp™ 32 Ultra HD Monitor UP3214Q with Ultra HD 4K resolution.

Dell Wireless Keyboard and Mouse Combo - KM714

Expand your productivity and keep your desk clutter-free with this combo that includes a number pad and LED precision tracking.

Target EOL Q3 CY16

XPS 15

The flagship XPS laptop, the XPS 15 delivers incredible power in a stunningly thin and light wedge design. The brilliant UltraSharp™ 4K Ultra HD display provides a brilliant viewing experience and high performance fuels creation.

XPS 15 key features	Why it matters
UltraSharp™ 4K Ultra HD (3840 x 2160) touch display	Stunning detail and brilliant viewing experience with over 8 million pixels, bright display for using in outdoor light (400-nit), view from every angle (IPS)
4th gen Intel up to i7 Quad Core, NVIDIA® graphics, memory up to 16GB	Powerhouse performance. Quad Core processors and faster memory to speed through the most intense applications.
Up to 1TB + 32GB SSD	Massive storage, plus the responsiveness of solid state drives
Up to 11 hours battery life	Stay unplugged longer on the go.
Machined aluminum, carbon fiber, Corning® Gorilla Glass NBT™	Superior materials and build quality – durable and stunning

Recommended Accessories

Mobile essential accessories for your XPS 15

Enhance the mobility of your XPS 15 with accessories that can help you stay powered up, connected, and protected on the go.

Dell Premier Sleeve (M)

Protect your XPS 15 on the go with a sleek, custom-fitted sleeve to use alone or inside a case.

Dell Adapter - USB to HDMI/VGA/Ethernet/USB 2.0

Connect to Projectors, TV's, and Ethernet without the burden of carrying multiple dongles using the ultra portable adapter.

Dell Premier Backpack (M)

Keep accessories, tablets, and notebooks organized and secure with the Dell Premier Backpack with features specifically designed for Dell accessories.

Dell Power Adapter – 130W

Be prepared with a second adapter for your XPS- one for the office and one for home or travel.

Work essentials to maximize your office productivity

Maximize the performance of your XPS 15 with the ultimate work accessories that can help you increase your productivity in the office.

Dell Docking Station – USB 3.0

Connect up to three displays– one Ultra HD 4K and two traditional - and up to five other peripheral devices with this high-performance featuring SuperSpeed™ USB 3.0.

Dell UltraSharp 32 Ultra HD Monitor – UP3214Q

Get four times the resolution of Full HD and view a new level of clarity and detail with the Dell UltraSharp™ 32 Ultra HD Monitor UP3214Q with Ultra HD 4K resolution.

Dell Wireless Keyboard and Mouse Combo - KM714

Expand your productivity and keep your desk clutter-free with this combo that includes a number pad and LED precision tracking.

Vostro

Targeted EOL Q3 CY16

Vostro 14 3000 Series (344x)*

These laptops are tailor-made for small business owners and professionals with essential business features that help getting the job done easier.

Key features	Why it matters
Flexible processor options	AMD and Intel® 4th and 5th Generation processors help you get more done faster.
2GB NVIDIA® discrete graphics	Optional discrete graphics make personal entertainment more enjoyable.
25.4mm thin and ~2.2kg	This lightweight, portable laptop is perfect for work and personal entertainment, all on a single device.
14" Anti-Glare HD display (1366x768 resolution)	Easily see your content, wherever you're working, on the 14-inch, anti-glare HD display.
Up to 4GB memory, 1TB HDD storage	Get top-notch performance for demanding applications so you can easily multitask and have enough data storage for business and personal use.
Connectivity: three USB ports, SD Card reader	Comes with a full range of connectors to support productivity and connectivity. Ports are neatly and thoughtfully organized on the both sides for easy access.
Business features	VGA output, optical drive, Gigabit Ethernet, HD webcam and Waves MaxxAudio® software for conference calls help you do your job easier and faster and enable you to better connect with your customers.

Recommended Accessories

Dell Bluetooth Portable Speaker - AD211
Take your sound anywhere with a compact and portable wireless speaker that features a long-lasting rechargeable battery, Bluetooth 4.0 and NFC technologies.

Dell Urban 2.0 Topload Carrying Case - 15.6"
Be prepared for wherever your day takes you with a comfortable, lightweight and stylish bag that fits laptops with up to 15.6" displays.

Dell Energy 2.0 Backpack – 15.6"
Protect your notebook with a durable, yet lightweight backpack made of water-resistant fabric that offers three sizeable compartments with a dedicated padded notebook section that fits laptops with up to 15.6" displays.

Dell Slipcase - 14"
Protect your system with this slim, lightweight slipcase that features weather-resistant nylon construction, a non-slip bottom and retractable handles.

Dell Optical Wireless Mouse - WM123
The small size, wireless performance and excellent battery life make this mouse a great option for on-the-go users.

Dell Portable Backup Hard Drive- 1 TB
Portable hard drive makes it easy to backup, store and transfer photos, videos, music and more. Automatic backup software comes preinstalled.

*Only model 3449 is available in the U.S.

Targeted EOL Q3 CY16

Vostro 15 3000 Series (3546/3549)*

These laptops are tailor-made for small business owners and professionals with essential business features that help getting the job done easier.

Key features	Why it matters
Intel® 4th and 5th generation processors	Fast processing power and performance help you get more done faster.
2GB NVIDIA® 820M discrete graphics	Optional discrete graphics make personal entertainment more enjoyable.
25.4mm thin and starting weight at ~2.4kg	Lightweight, portable laptop for work and personal entertainment all on a single device.
15.6" anti-glare HD display (1366x768 resolution)	Enjoy ample viewing of your content, wherever you're working or playing, on the large 15.6-inch, anti-glare HD display.
VGA output	Project presentations or connect to a secondary display to share content with customers.
Up to 4GB memory, 1TB HDD storage	Get top-notch performance for demanding applications so you can easily multitask and have enough data storage for business and personal use.
Connectivity: 3 USB ports, SD Card reader	Comes with a full range of connectors to support productivity and connectivity. Ports are neatly and thoughtfully organized on the both sides for easy access.
Business features	VGA output, Optical Drive, Gigabit Ethernet, HD Webcam and Waves MaxxAudio® Software for conference calls help you do your job easier and faster and enable you to better connect with your customers.
Low power consumption	Low power consumption helps you stay productive with longer battery life.

Recommended Accessories

Dell Bluetooth Portable Speaker - AD211
Take your sound anywhere with a compact and portable wireless speaker that features a long-lasting rechargeable battery, Bluetooth 4.0 and NFC technologies.

Dell Urban 2.0 Topload Carrying Case - 15.6"
Be prepared for wherever your day takes you with a comfortable, lightweight and stylish bag that fits laptops with up to 15.6" displays.

Dell Energy 2.0 Backpack – 15.6"
Protect your notebook with a durable, yet lightweight backpack made of water-resistant fabric that offers three sizeable compartments with a dedicated padded notebook section that fits laptops with up to 15.6" displays.

Dell Slipcase - 15"
Protect your system with this slim, lightweight slipcase that features weather-resistant nylon construction, a non-slip bottom and retractable handles.

Dell Optical Wireless Mouse - WM123
The small size, wireless performance and excellent battery life make this mouse a great option for on-the-go users.

Dell Portable Backup Hard Drive- 1 TB
Portable hard drive makes it easy to backup, store and transfer photos, videos, music and more. Automatic backup software comes preinstalled.

*Only model 3549 is available in the U.S.

Targeted EOL Q2 CY17

NEW Vostro 14/15 3000 Series (3x58/3x59)

Essential productivity notebook for small businesses and professionals in a refined design.

Key features	Why it matters
Intel® **5th** and **6th generation** processors	Fast processing power and performance help you get more done faster.
Up to 2GB memory of discrete graphics	Optional discrete graphics make personal entertainment more enjoyable.
Thinner design at **23.3mm** thin for 14" and **23.7mm** for 15"	Thinner than the previous generation for improved portability so you can do work and enjoy personal entertainment all on a single device.
Anti-glare HD display (1366x768)	Easily see your content, wherever you're working, on the 14-inch, anti-glare HD display.
Full HD option on 15"	Get the Full HD option for brighter visuals on the 15" model.
Up to **16GB memory**, 1TB HDD option	Get top-notch performance for demanding applications so you can easily multitask and have enough data storage for business and personal use.
Wireless 802.11ac	For faster speed and better connectivity.
Outstanding battery life	Stay productive while you're on-the-go with all-day battery life: up to 9 hr 3 mins on the 14" and up to 8 hr 42 mins on the 15" (tested on Windows 8.1, based on 3458 and 3558 models). Now with **47Whr** option.
Business features	VGA output, optical drive, Gigabit Ethernet, HD webcam and Waves MaxxAudio® Software for conference calls help you do your job easier and faster and enable you to better connect with your customers.

Recommended Accessories

Dell Bluetooth Portable Speaker - AD211
Take your sound anywhere with a compact and portable wireless speaker that features a long-lasting rechargeable battery, Bluetooth 4.0 and NFC technologies.

Dell Urban 2.0 Topload Carrying Case - 15.6"
Be prepared for wherever your day takes you with a comfortable, lightweight and stylish bag that fits laptops with up to 15.6" displays.

Dell Energy 2.0 Backpack – 15.6"
Protect your notebook with a durable, yet lightweight backpack made of water-resistant fabric that offers three sizeable compartments with a dedicated padded notebook section that fits laptops with up to 15.6" displays.

Dell Slipcase - 14" or 15"
Protect your system with this slim, lightweight slipcase that features weather-resistant nylon construction, a non-slip bottom and retractable handles.

Dell Optical Wireless Mouse - WM123
The small size, wireless performance and excellent battery life make this mouse a great option for on-the-go users.

Dell Portable Backup Hard Drive- 1 TB
Portable hard drive makes it easy to backup, store and transfer photos, videos, music and more. Automatic backup software comes preinstalled.

Targeted EOL Q4 CY16

NEW Vostro 14 5000 Series (5459)*

An ultra-mobile laptop with sleek design and essential security feature for small business customers.

Launch date: October CY15

Key features	Why it matters
6th gen Intel® Core processors (up to i7) with up to **4GB** discrete graphics NVIDIA® GeForce® 930M)	Fast processing power and performance help you get more done faster.
New sleek design (ultra-thin at **18.45mm** and ultra-light starting at 1.66kg)	Ultra thin and sleek design with brushed aluminum cover in Era Grey or Jingle Gold that's ready to impress and lets you be mobile and work from anywhere. The Vostro 14 base is 16 percent stronger than its predecessor's. It's stiffer, in a good way — the enhanced rigidity helps stop noises (like creaks), ensures the keyboard is solid and makes the display even sturdier.
Multiple hard drive options	Multiple hard drive options: 500GB or 1TB SATA HDD, 500GB SATA HDD + 32GB mSATA SSD hybrid, 128GB/256GB SSD. Opt for 1TB HDD for high capacity or **256G SSD** for fast, responsive data storage.
14" anti-glare HD display or **FHD** with IPS technology	14" HD or FHD display with IPS technology delivers best front of screen experience from all angles with optional touch screen.
USB 3.0 x 3, HDMI 1.4, Ethernet, SD card reader	Three super-speed USB 3.0 ports, one with PowerShare, enable fast data transfer and charging of your digital devices. Fast and long range wireless technology keeps you connected whenever, wherever.
Windows 10 Hello	Convenient and secure log in with the optional fingerprint reader and Windows 10 Hello biometric recognition feature.
Windows 10 Cortana	Enjoy your own digital, voice-activated assistant with Windows 10 Cortana.
Wireless with **2x2 802.11 ac** technology	Faster speed and better connectivity at a longer range; it outperforms the previous model with 2x2 throughputs that are 41 percent higher.

Recommended Accessories

Dell Bluetooth Portable Speaker - AD211
Take your sound anywhere with a compact and portable wireless speaker that features a long-lasting rechargeable battery, Bluetooth 4.0 and NFC technologies.

Dell Urban 2.0 Topload Carrying Case - 15.6"
Be prepared for wherever your day takes you with a comfortable, lightweight and stylish bag that fits laptops with up to 15.6" displays.

Dell Energy 2.0 Backpack – 15.6"
Protect your notebook with a durable, yet lightweight backpack made of water-resistant fabric that offers three sizeable compartments with a dedicated padded notebook section that fits laptops with up to 15.6" displays.

Dell Slipcase - 15"
Protect your system with this slim, lightweight slipcase that features weather-resistant nylon construction, a non-slip bottom and retractable handles.

Dell Optical Wireless Mouse - WM123
The small size, wireless performance and excellent battery life make this mouse a great option for on-the-go users.

Dell Portable Backup Hard Drive- 1 TB
Portable hard drive makes it easy to backup, store and transfer photos, videos, music and more. Automatic backup software comes preinstalled.

*Not available in the U.S.

Current Products

Desktop Productivity

Dell commercial fixed portfolio

OptiPlex (current-gen)

New OptiPlex 24 7000 Series All-in-One (7440)
New OptiPlex 7040
New OptiPlex 5040
New OptiPlex 22 3000 Series All-in-One (3240)
New OptiPlex 3040
OptiPlex 9030 All-in-One EOL target Q1 CY16
OptiPlex 9020 EOL target Q1 CY16
OptiPlex XE2 MT/SFF
OptiPlex 7020 MT, SFF EOL target Q1 CY16
OptiPlex 3030 All-in-One
OptiPlex 3020 MT/SFF/MFF EOL target Q1CY16

Precision (current-gen)

NEW Precision Tower 3000 Series (3420 & 3620)
Precision Rack 7000 Series (7910)
Precision Tower 7000 Series (7910)
Precision Tower 7000 Series (7810)
Precision Tower 5000 Series (5810)
Precision T1700 Workstation (MT/SFF) EOL target: Q2 CY16

Vostro (current-gen)

NEW Vostro Small Desktop (Intel®) (SFF 3250/3252)
NEW Vostro Small Desktop (Intel®) (MT 3650)
Vostro Desktop (AMD) (3905) EOL target: Q3 CY17
Vostro Desktop (Intel) (3900, 3902, 3900G, 3800) EOL target: Q4 CY16
Vostro 20 3000 Series All-in-One (3052, 3055) EOL target: Q4 CY16
NEW Vostro 24 5000 Series All-in-One (5450)

Dell commercial fixed portfolio

Currently shipping portfolio (continued)

Wyse 7000 series endpoints

Wyse 7010 cloud desktop
Wyse 7010 thin client with ThinOS
Wyse 7010 thin client with Linux
Wyse 7010 thin client with WES7
Wyse 7010 thin client with WES7P
Wyse 7010 Extended Chassis thin client with WES7
Wyse 7020 cloud desktop
Wyse 7020 thin client with Linux
Wyse 7020 thin client with WES7
Wyse 7020 thin client with WES7P
Wyse 7020 thin client with WE8S
Wyse 7020 thin client with Win10 IoT
Wyse 7020 quad display thin client with Linux
Wyse 7020 quad display thin client with WES7P
Wyse 7030 zero client for VMware

Wyse 5000 series endpoints

Wyse 5010 cloud desktop
Wyse 5010 zero client for Citrix
Wyse 5010 thin client with ThinOS
Wyse 5010 thin client with ThinOS and PCoIP
Wyse 5010 thin client with Linux
Wyse 5010 thin client with WES7
Wyse 5010 thin client with WES7P
Wyse 5010 thin client with WE8S
Wyse 5020 cloud desktop
Wyse 5020 thin client with Linux
Wyse 5020 thin client with WES7
Wyse 5020 thin client with WES7P
Wyse 5020 thin client with WE8S
Wyse 5020 thin client with Win10 IoT
Wyse 5030 PCoIP zero client for VMware
Wyse 5040 AIO thin client with ThinOS
Wyse 5040 AIO thin client with PCoIP
Wyse 5050 AIO PCoIP zero client for VMware

Wyse 3000 series endpoints

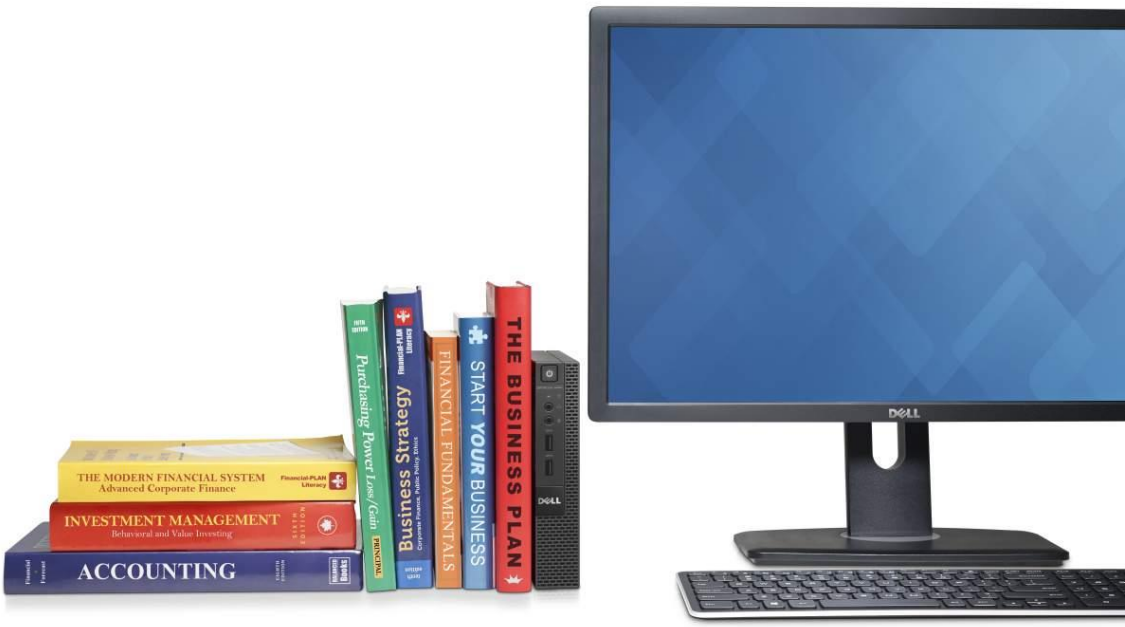
Wyse 3010 zero client for Citrix
Wyse 3010 thin client with Linux
Wyse 3010 thin client with ThinOS
Wyse 3020 zero client for Citrix
Wyse 3020 thin client with ThinOS
Wyse 3030 thin client

Wyse 1000 series endpoint

Wyse 1010 thin client for Microsoft Windows MultiPoint Server

Dell - Internal Use - Confidential

OptiPlex


THE MODERN FINANCIAL SYSTEM
Advanced Corporate Finance
INVESTMENT MANAGEMENT
Behavioral and Value Investing
ACCOUNTING
Purchasing Power Loss/Gain
Business Strategy
FINANCIAL FUNDAMENTALS
START YOUR BUSINESS
THE BUSINESS PLAN
DELL

All of the performance.
None of the compromises.

New Dell OptiPlex Desktops

	OptiPlex 3040	OptiPlex 22 3000 Series All-in-One (3240)	OptiPlex 5040	OptiPlex 7040	OptiPlex 24 7000 Series All-in-One (7440)
Form Factors	MT, SFF, Micro	All-in-One	MT, SFF	MT, SFF, Micro	All-in-One
Processor	Intel® Core™ 6th Gen up to i5	Intel® Core™ 6th Gen up to i5	Intel® Core™ 6th Gen up to i7	Intel® Core™ 6th Gen up to i7 vPro	Intel® Core™ 6th Gen up to i7 vPro
Graphics	Integrated Intel® HD Graphics; Optional 1GB AMD Radeon™	Integrated Intel® HD Graphics; Optional 1GB AMD Radeon™	Integrated Intel® HD Graphics; Optional 2GB AMD Radeon™	Integrated Intel® HD Graphics; Optional 4GB AMD Radeon™ (MT/SFF))	Integrated Intel® HD Graphics; Optional 2GB AMD Radeon™
Storage	Up to 1TB	Up to 1TB	Up to 1TB	Up to 2TB	Up to 2TB
Positioning	Essential business desktop with best-in-class security and manageability in new, space-saving designs perfect for small and growing businesses	Essential all-in-one experience with business-class performance and productivity features.	Fully-featured commercial desktop with advanced performance, security and manageability in space saving designs	Ultimate desktop performance for enterprise-class management and security in an innovative, compact design.	Ultra sleek, premium all-in-one with industry-leading features and no compromise desktop performance.

Dell OptiPlex Desktops

	OptiPlex 3020	OptiPlex 3030 All-in-One	OptiPlex 7020	OptiPlex 9020/XE2	OptiPlex 9030 All-in-One
Form Factors	MT, SFF, Micro	All-in-One	MT, SFF	MT, SFF, USFF, Micro	All-in-One
Processor	Intel® Core™ 4th Gen up to i5	Intel® Core™ 4th Gen up to i5	Intel® Core™ 4th Gen up to i7	Intel® Core™ 4th Gen up to i7 vPro	Intel® Core™ 4th Gen up to i7 vPro
Graphics	Integrated Intel® HD Graphics; Optional 1GB AMD Radeon™	Integrated Intel® HD Graphics; Optional 1GB AMD Radeon™	Integrated Intel® HD Graphics; Optional 1GB and 2GB AMD Radeon™	Integrated Intel® HD Graphics; Optional 2GB AMD Radeon™ (MT/SFF) and 4GB AMD Radeon™ (MT)	Integrated Intel® HD Graphics; Optional 2GB AMD Radeon™
Storage	Up to 1TB	Up to 1TB	Up to 1TB	Up to 2TB	Up to 2TB
Positioning	Providing customer value through great performance and best-in-class security at a competitive entry level price.	Provides customer value through best-in-class security, delivered at a competitive entry level price in an all-in-one chassis..	Best-in-class security with the reliability and performance necessary to power your business.	Most manageable desktop with business class security and reliability.	The Dell OptiPlex 9030 AIO, Dell's premier all-in-one, improves end user and IT productivity through new performance and design features.

New OptiPlex Key Feature Changes

Chassis Size – Excellent performance in a space-saving design

- New OptiPlex MT will be 43% smaller than the previous generation, while the SFF will be 7% smaller, designed specifically around Intel's® latest 65W commercial desktop architecture
- Customers can expect equal or greater performance, as well as improved energy efficiency and packaging requirements. They will also have the same ports, slots and drive support
- Smaller chassis' offer more opportunities for deployment, with dual orientation support and multiple mounting options for significant space-savings

Power Supply offerings – Boost your energy efficiency and savings

- OptiPlex will offer lower wattage Power Supply Units (PSU) to align to Intel's® latest 65W commercial desktop architecture. PSUs will be 240W on MT and 180W on SFF
- Next generation OptiPlex products will no longer offer 80 PLUS Gold (up to 90% efficiency) PSUs. OptiPlex will offer the industry's more efficient 80 PLUS Platinum (up to 92% efficiency) PSUs
- OptiPlex users can expect energy cost savings of up to $30/year through a lower wattage, highly efficient Platinum PSU
- OptiPlex will continue to offer Standard Active PFC (APFC) and 80 PLUS Bronze (up to 85% efficiency) PSU. Availability may vary by product and region

Video Ports – Maximum digital display resolution

- Customers will achieve a great display experience with native **digital** display ports on next generation OptiPlex products – Analog display (VGA) will no longer be standard
- This change is to align with Intel's® latest desktop chipset architecture that no longer natively supports VGA
- OptiPlex 3040 will have HDMI and DP. OptiPlex 5040 and 7040 will have HDMI, DP and DP
- Customers requiring VGA support may order optional VGA cards or display adapters

Dell OptiPlex desktops

Built for Business

Designed to meet the evolving needs of our customers, Dell's OptiPlex desktops are the most secure, manageable, and reliable commercial desktops on the market. Long, managed lifecycles and transitions, easy serviceability and extensive testing ensure a consistent, reliable end-user experience.

Customize your OptiPlex fleet with best-in-class productivity, security, and manageability features that compliment Dell's commitment to environmentally conscious design and energy efficiency.

Highly secure

Safeguard your data with Dell Data Protection (DDP) solutions for encryption, authentication and malware-prevention, available on all OptiPlex systems.

Smart manageability

Make life easy for IT and help your workforce get more out of each day with our latest lineup of highly manageable, powerful OptiPlex desktops.

Take control with the OptiPlex 9020 — the world's most manageable desktop — featuring Intel® vPro™ and Dell's unique management extensions.

Help save time and money with easy-to-use systems management appliances and Dell Command Suite.

Outstanding reliability

Built with premium materials and easily serviceable parts, OptiPlex desktops are extensively tested for durability and offer a smart, long-lasting investment.

Work through years of heavy use with desktops that are subjected to highly accelerated life testing.

Dell has it. HP and Lenovo do not.

Most Secure

Only Dell offers comprehensive encryption, advanced authentication and malware prevention from a single source, so you can protect data from the device to the cloud.

	Dell OptiPlex	HP EliteDesk	Lenovo ThinkCentre
TCG-certified TPM for data protection and secure credential storage	✓	✗	✗
DDP | Security Tools – enables central management of advanced authentication	✓	✗	✗
DDP | Encryption (optional) – protect data on any device, external media and in the cloud	✓	✗	✗

Most Manageable

OptiPlex supports Intel® vPro and Dell unique vPro extensions for updating your entire fleet of commercial PCs at once, even if they're powered off.

Best-in-class integration into Microsoft System Center and Dell KACE appliances	✓	✗	✗
Faster deployments & lifecycle support with Dell Configuration & Deployment Services	✓	✗	✗
Dell's Client Command Suite offers streamlined management with free automation tools	✓	✗	✗

Most Reliable

Dell OptiPlex long lifecycles and managed transitions ensure long-term stability that help organizations save time and money.

Dell ProSupport™ Plus provides 24X7 proactive, predictive and live technical support via Dell highly trained support staff	✓	✗	✗

New Dell OptiPlex 24 7000 Series AIO (7440)

Dell's premium commercial all-in-one desktop delivers maximum performance with superior security and tool-less serviceability features.

Key features	Why it matters
Latest Intel® Core processors and optional **vPro™** technology for remote and advanced out of band management	Update once and everywhere with Dell-unique Intel® vPro™ capabilities for remote BIOS management and hard drive wipe, even when systems are offline. Remote or out-of-band management provides a time saving, secure and cost effective method to ensure that your workforce is able to manage issues quickly.
Significantly faster performance with new PCIe solid-state drives	Solid-state drives are more resistant to shock, run silently, have lower access time and less latency because they have no moving mechanical parts. Paired with PCIe, a customer is able to run processes through more channels, thus dramatically increasing performance. Particularly useful for loading videos or large databases.
Latest memory technology (DDR4)	Customers will enjoy reduced power consumption and increased data rates/ performance over previous generation processors.
Supports **triple displays** with new coordinating professional design ID	Provides the best digital experience for customers viewing large amounts of information simultaneously. Plus, the all-in-one design seamlessly blends with Dell-branded displays for an attractive workspace environment.
23.8" FullHD display and an optional **4K UltraHD display**	Allows more onscreen information to reduce scrolling and improve productivity. 4K UltraHD Display has a higher color gamut than previous generation models.
Tool-less design with a simple removable rear panel and new flush cable covers	Tool-less serviceability provides easy access to key system components such as drives, memory and the customer replaceable power supply for quick, simple service and upgrades. Flush cable covers secure and manage cables/ports while enhancing the system aesthetics.
Supports **Platinum and Bronze energy efficient PSUs**	Providing customers the industry's most efficient 80 PLUS Platinum (up to 92% efficiency) and 80 PLUS Bronze (85% efficiency) PSU enables excellent power savings.
Windows 10 support	Commercial customers will benefit from a strong user interface, voice-activated virtual assistant, organization identities, enterprise-grade security and more.

Recommended Accessories

Dell Wireless Keyboard and Mouse-KM636
Compact, slim-line keyboard with chiclet keys and a comfortable optical mouse

Dell Height Adjustable Stand
Adjust your view for optimal comfort and productivity

Dell Articulated Stand
Adjust your view to comfortably interact with content in virtually any position

Gen over Gen Feature Comparison

OptiPlex 9030 All-in-One & OptiPlex 24 7000 Series All-in-One (7440)

	OptiPlex 9030 AIO	OptiPlex 24 7000 Series AIO
Form Factor/ ID Language	Premium All-in-One Desktop	Premium All-in-One Desktop; **New design with New ID aligned with the Dell monitor portfolio**
Display	23" WVA; Touch/Non-Touch; Supports up to 2 additional displays	**23.8"** WVA; Touch/Non-Touch; Supports up to 2 additional displays, **Optional 4K Ultra HD panel**
Chipset	Intel Q87 Chipset	**Intel Q170 Chipset**
CPU	4th Generation Intel® 65w processors; i3– i7; Intel® vPro™	**6th generation Intel® 65w processors**; i3– i7; Intel® vPro™
Serviceability	Tool-less	Tool-less
Graphic	Intel Integrated, 2GB AMD RadeonTM R7 A265	Intel Integrated, **2GB AMD Radeon R7 350X**
Memory	2 DIMM Up to 16GB DDR3	2 DIMM Up to 16GB **DDR4**
Storage/ODD	Up to (2) 2.5" HDD: up to 2TB, Hybrid, SSD, SED, RAID, 9.5mm ODD	Up to (2) 2.5" HDD: up to 2TB, Hybrid, **PCIe NVMe SSD**, SED, RAID, 9.5mm ODD
SW/ Security/ Manageability/OS	TPM 1.2, DDP Encryption SW and HW (Hardware Crypto Accelerator), optional cable cover; vPro™, ISM, Win 7, Win8.1, Ubuntu	**TPM 1.2, TPM 2.0 - firmware updatable,** DDP Encryption SW and HW (Hardware Crypto Accelerator), **included cable cover**; vPro™, ISM, Win 7, Win 8.1, **Win 10**, Ubuntu
Communications	Intel Wireless Card (M.2), vPro + Bluetooth, Array mic, Integrated speakers, FHD webcam	Intel Wireless Card (M.2), vPro + Bluetooth, Array mic, Integrated speakers, FHD webcam
Expansion Slots	2 M.2	2 M.2
Ports & IO	USB (2) 2.0, (6) 3.0, HDMI Out, HDMI In, Display Port, RJ-45, Universal Audio Jack, Memory Card Reader SD4.0	USB (2) 2.0, (6) 3.0, HDMI Out, HDMI In, Display Port, RJ-45, Universal Audio Jack, Memory Card Reader SD4.0, **USB Smart Power On**
Power Supply / Environment	Internal; 80 PLUS Gold PSU (PSU is Field Replaceable Unit); ENERGY STAR, EPEAT Gold	Internal; 80 PLUS **Bronze/Platinum PSUs (PSU is Customer Replaceable Unit);** ENERGY STAR, EPEAT Gold
Stands	Basic, Height Adjustable, VESA Mounting (S&P Arm)	Basic, Height Adjustable w/**Swivel**, **Articulating,** VESA Mounting (S&P Arm)

Dell OptiPlex 9030 All-in-One

Dell's thinnest commercial all-in-one desktop delivers maximum performance and superior security features.

Key features	Why it matters
Thin 23" Full HD 1920x 1080 resolution, WLED screen with optional touch, and support for up to 3 displays	Vibrant 23" display and an optional capacitive touch screen with edge-to-edge glass. Navigate between applications with the intuitive touch of a finger, or add a dual monitor for effortless multi-tasking. Built-in VESA mounting capability provides space-saving versatility for your workspace.
Latest Intel® Core processors and optional **vPro™** technology for remote and advanced out of band management	Update once and everywhere with Dell-unique Intel® vPro™ capabilities for remote BIOS management and hard drive wipe, even when systems are offline. Remote or out-of-band management provides a time saving, secure and cost effective method to enable your workforce and manage issues quickly.
World's most manageable desktop with Dell Client Command Suite tools and Dell Configuration & Deployment Services	By building unique management capabilities into OptiPlex desktops, Dell Client Command Suite provides free tools that automate and streamline system deployment, monitoring and updating in complex IT environments. By optimizing your systems management environment, businesses can save up to $57/per systems each year through less labor costs and improved end-user productivity.
Most secure commercial desktop with advanced Dell Data Protection hardware and software solutions	Dell builds unique security capabilities into our OptiPlex desktops that provide comprehensive encryption, advanced authentication, and malware prevention solutions available straight from the factory or through volume licensing options. Automatically protect data wherever it goes—on all local drives and removable media—enabling end-user collaboration without risk of data loss or security breaches.

Recommended Accessories

Dell Lockable Port Cover
Secure your device and the data within it

Dell Wireless Keyboard and Mouse
Ultimate productivity in a clutter-free workspace

Dell Height Adjustable Stand
Adjust your view for optimal comfort

Resources

TCO Study

COMPUTER SHOPPER
GOOD FOR BUSINESS

Dell OptiPlex 9030 Touch 4*/5*
"The 9030 is a definite success."

– Computer Shopper

New Dell OptiPlex 7040

Dell's premium commercial desktop with the highest performance, most robust security features and the greatest level of management.

Key features	Why it matters
New, smaller MT and SFF chassis, designed specifically around Intel's® latest 65W commercial desktop architecture	Provide all the power and performance of larger form factors while offering energy efficiency and savings. Smaller form factors offer more opportunities for placement in small spaces such as classrooms, kiosks, conference rooms and labs. Customers will not sacrifice features for a smaller chassis, rather more-efficient CPU's and 2.5" dual hard drives free up space without compromising thermal management or storage capacity.
Latest Intel® Core processors and optional **vPro™** for remote and out of band management	Update once and everywhere with Dell-unique Intel® vPro™ capabilities for remote BIOS management and hard drive wipe, even when systems are offline. Remote or out-of-band management provides a time saving, secure and cost effective method to enable your workforce and manage issues quickly.
Significantly faster performance with new PCIe solid-state drives	Solid-state drives are more resistant to shock, run silently, have lower access time and less latency because they have no moving mechanical parts. Paired with PCIe, a customer is able to run processes through more channels, thus dramatically increasing performance. Particularly useful for loading videos or large databases.
Latest memory technology (DDR4)	Customers will enjoy reduced power consumption and increased data rates/ performance over previous generation processors.
Supports **Platinum energy efficient PSUs**	Providing customers the industry's most efficient 80 PLUS Platinum (up to 92% efficiency) PSU.
Triple digital monitor support (DP/DP/**HDMI**)	Provides the best digital experience, including native HDMI. Triple monitors increase productivity enabling simultaneous use of multiple applications.
Universal Audio Jack	A UAJ works with common mobile phone headsets, making connectivity simple.
Supports **dual orientation**	Allows users to place their system vertically or horizontally to maximize space.
Windows 10 support	Commercial customers will benefit from a strong user interface, voice-activated virtual assistant, organization identities, enterprise-grade security and more.

Recommended Accessories

Dell UltraSharp Monitors
Virtually borderless viewing

Dell OptiPlex Cable Cover (MT/SFF)
Thermally tested and designed for OptiPlex, cable covers offer an attractive way to manage and secure cables. Add a Dell lock for complete security

Dell Wireless Keyboard & Mouse
Ultimate productivity in a clutter-free workspace

Dell OptiPlex Micro VESA Mount
Mount your system on a wall or under a surface with an adapter bracket to manage power cables with ease

Dell OptiPlex Micro AIO Mount for E-Series Displays
VESA mounted to select Dell E-Series displays

Dell OptiPlex Micro Console with DVD-RW
Designed for open environments to provide optical drive access, cable security and management

Dell OptiPlex Micro Dual VESA with Humanscale Arm
Completely open your workspace with a behind the monitor mounting solution

Dell OptiPlex Micro All-in-One Mount
This solution replaces traditional all-in-one mounts for flexible screen sizes

Gen over Gen Feature Comparison

OptiPlex 9020 and OptiPlex 7040

	OptiPlex 9020	OptiPlex 7040
Chassis	Mini-tower, Small Form Factor	Mini-tower, Small Form Factor in a **new Industrial Design**
Chipset	Intel® Q87 Chipset	**Intel® Q170 Chipset**
Processor	4th generation Intel® 95w processors; i3 – i7, Intel® vPro™	**6th generation Intel® 65w processors**; i3 – i7, Intel® vPro™
Memory	4 DIMM up to 32GB DDR3	4 DIMM up to 32GB **DDR4**
Video Ports	DisplayPort/DisplayPort/VGA	DisplayPort/DisplayPort/**HDMI**, **Optional VGA**
Additional ports	RJ-45, Serial, PS/2, headphone, microphone, line in. Optional: Parallel, Serial, 2nd NIC	RJ-45, Serial, PS/2, **Universal Audio Jack**, line in Optional: Parallel, Serial, 2nd NIC
USB	4 x USB3.0 + 6 x USB2.0	6 x USB3.0 + 4 x USB2.0 (**1 USB Charging Port**), **USB Smart Power On**
Graphics	Intel® Integrated, AMD HD8490, dual AMD HD8490, AMD HD8570, nVIDIA GeForce GTX 745	Intel® Integrated, **AMD R5 340X, dual AMD R5 340X, AMD R7 350X**, nVIDIA GeForce GTX 745
Security	TPM 1.2, standard security lock slot, Padlock loop, Intrusion switch	**TPM 1.2, TPM 2.0 - firmware updatable**, standard security lock slot, Padlock loop, Intrusion switch, SED hard drive, **optional cable cover**
Optical	HH/12.7mm, DVD-ROM, DVD-RW	9.5mm, DVD-ROM, DVD-RW
Storage	External: 2 x 5.25" HH, 19-1 Memory Card Reader. Internal: 2 x 2.5", 2 x 3.5", RAID	External: 1 x5.25" HH, **1 x 9.5mm ODD, 8-1 SD Reader**. Internal: 2 x 2.5", 1 x 3.5" & **1 x M.2**, RAID, **PCIe NVMe SSD**
Wireless Card	Intel wireless card, Bluetooth	Intel wireless card, **, Intel® vPro™** + Bluetooth
DDP	Dell Data Protection | Encryption (DDP|E) - Hardware Crypto Accelerator (HCA) and Software	Dell Data Protection | Encryption (DDP|E) - Hardware Crypto Accelerator (HCA) and Software
Power (PSU)	80 Plus Active PFC, 80 Plus Bronze, 80 Plus Gold (MT 290W, SFF 255W)	80 Plus Active PFC, 80 Plus Bronze, 80 Plus **Platinum (MT 240W, SFF 180W)**
Expansion slots	MT: 4 Full Height (PCI, 3xPCIe) / SFF: 2 Low Profile (2xPCIe)	MT: 4 Full Height (PCI, 3xPCIe) / SFF: 2 Low Profile (2xPCIe)
Environment	Energy Star, EPEAT Gold	Energy Star, EPEAT Gold

Gen over Gen Feature Comparison

OptiPlex 9020 Micro and OptiPlex 7040 Micro

	OptiPlex 9020 Micro	OptiPlex 7040 Micro
Chassis	Micro Form Factor	Micro Form Factor
Chipset	Intel® Q87 Chipset	**Intel® Q170 Chipset**
Processor	4th generation Intel® 35w processors; i3 – i7, Intel® vPro™	**6th generation Intel® 35w processors**; i3 – i7, Intel® vPro™
Memory	2 SoDIMM up to 16GB DDR3	2 SoDIMM up to 16GB **DDR4**
Ports	DisplayPort/VGA	DisplayPort/**HDMI**
Additional ports	Optional PS/2 and serial fan cable or HDMI or 2nd DP	Optional PS/2 and serial fan cable or VGA or 2nd DisplayPort
USB	6 x USB3.0	6 x USB3.0 (**1 USB Charging Port**), **USB Smart Power On**
Graphics	Intel Integrated Graphics	Intel Integrated Graphics
Security	TPM 1.2, standard security lock slot, Padlock loop, Intrusion switch, SED hard drive	**TPM 1.2, TPM 2.0 - firmware updatable**, standard security lock slot, Padlock loop, Intrusion switch, SED hard drive
Optical	External ODD or console mount	External ODD or console mount
Storage	1 x 2.5" HDD & 1 x M.2	1 x 2.5" HDD & 1 x M.2, **PCIe NVMe SSD**
Wireless	Intel® wireless card, Bluetooth	Intel® wireless card, **vPro +** Bluetooth
DDP	Dell Data Protection | Encryption (DDP|E) - Hardware Crypto Accelerator (HCA) and Software	Dell Data Protection | Encryption (DDP|E) - Hardware Crypto Accelerator (HCA) and Software
Power	65w external adapter	65w external adapter
Mount options	All-in-One, Console, VESA, Dual VESA, Vertical Stand, AIO mount for E-Series displays	All-in-One, Console, VESA, Dual VESA, Vertical Stand, **All-in-One for E-Series Displays**
Environment	Energy Star, EPEAT Gold, Halogen Free (excl. adapter)	Energy Star, EPEAT Gold, Halogen Free (excl. adapter)

Dell OptiPlex 9020

Dell's most manageable business client desktop delivers leading-edge security and enhanced productivity features.

Key features	Why it matters
Latest Intel® Core processors and optional **vPro™** technology for remote and advanced out of band management	Update once and everywhere with Dell-unique Intel® vPro™ capabilities for remote BIOS management and hard drive wipe, even when systems are offline. Remote or out-of-band management provides a time saving, secure and cost effective method to enable your workforce and manage issues quickly..
World's most manageable desktop with Dell Client Command Suite tools and Dell Configuration & Deployment Services	By building unique management capabilities into OptiPlex desktops, Dell Client Command Suite provides free tools that automate and streamline system deployment, monitoring and updating in complex IT environments. By optimizing your systems management environment with Dell Client Command Suite, businesses can save up to $57/per systems each year through less labor costs and improved end-user productivity.
Most secure commercial desktop with advanced Dell Data Protection hardware and software solutions	Dell builds unique security capabilities into our OptiPlex desktops that provide comprehensive encryption, advanced authentication, and malware prevention solutions available straight from the factory or through volume licensing options. Automatically protect data wherever it goes—on all local drives and removable media—enabling end-user collaboration without risk of data loss or breaches.
One of the greenest business desktops with built-in power supply and fully BFR/PVC – free chassis	An environmentally conscious design, including a chassis built from 10 percent postconsumer recycled plastics, can help lower your environmental footprint.
Triple monitor support (VGA/DP/DP)	Supports triple monitor display which increases productivity enabling simultaneous use of multiple applications.

Recommended Accessories

Dell U2412M UltraSharp Monitors
Graphics come to life on dual 24" LED-backlit screens

Dell Dual Monitor Stand – MDS14
Maximize your viewing comfort and improve productivity

Dell Smartcard Keyboard
Control user access and protect sensitive data

Dell OptiPlex Micro VESA Mount
Mount your system on a wall or under a surface with an adapter bracket to manage power cables with ease

Dell OptiPlex Micro AIO Mount for E-Series Displays
Allows the micro to be VESA mounted to select Dell E-Series displays

Dell OptiPlex Micro All in One Mount
This solution replaces traditional all in one mounts for flexible screen sizes

Dell OptiPlex Micro Console with DVD-RW
Designed for open environments to provide optical drive access, cable security and management

Dell OptiPlex Micro Dual VESA with Humanscale Arm
Completely open your workspace with a behind the monitor mounting solution

Resources

Video

Dell OptiPlex XE2

The durable, versatile Dell OptiPlex XE2 desktop features an ultra-long lifecycle and the world's best management capabilities.

Key features	Why it matters
Dell OptiPlex stability, 3.5 years long sales lifecycle and managed transitions	With an ultra long purchase lifecycle, the OptiPlex XE2 significantly eases management and planning.
Latest Intel® Core processors and optional **vPro™** technology for remote and advanced out of band management capabilities	Update once and everywhere with Dell-unique Intel® vPro™ capabilities for remote BIOS management and hard drive wipe, even when systems are offline. Remote or out-of-band management provides a time saving, secure and cost effective method to enable your workforce and manage issues quickly.
World's most manageable desktop with Dell Client Command Suite tools and Dell Configuration & Deployment Services	By building unique management capabilities into OptiPlex desktops, Dell Client Command Suite provides free tools that automate and streamline system deployment, monitoring and updating in complex IT environments. By optimizing your systems management environment with Dell Client Command Suite, businesses can save up to $57/per systems each year through less labor costs and improved end-user productivity.
Most secure commercial desktop with advanced Dell Data Protection hardware and software solutions	Dell builds unique security capabilities into our OptiPlex desktops that provide comprehensive encryption, advanced authentication, and malware prevention solutions available straight from the factory or through volume licensing options. Automatically protect data wherever it goes—on all local drives and removable media—enabling end-user collaboration without risk of data loss or security breaches.

Recommended Accessories

Dell 23" UltraSharp U2312HM Monitor
Offers a brilliant view, rich colors and adjustable heights

Dell C3765dnf Color Laser Printer
Multifunction laser printer offers value, quality and efficiency

Resources

Video

New OptiPlex 7040 Micro + Intel® Unite™

Improves collaboration and meeting productivity by transforming your existing conference room into a secure and manageable meeting space.

Key features	Why it matters
Latest Intel® Core processors and **vPro™** technology for remote and advanced out of band management	Update once and everywhere with Dell-unique Intel® vPro™ capabilities for remote BIOS management and hard drive wipe, even when systems are offline. Remote or out-of-band management provides a time saving, secure and cost effective method to enable your workforce and manage issues quickly. IT managers can remotely manage, update and repair all in-room PCs whether they are turned on or off.
Fewer wires. Faster meetings.	Simple and instant conferencing and collaboration that can be accessed by anyone on a network so that users can connect, share, display wirelessly.
Real-time sharing, annotation, file transfers, and more	Enables superior collaboration among teams with no time wasted. Peer-to-peer sharing with split screen views allow multiple users to share info simultaneously, which is great for comparing files. Plus, annotation offers the ability to mark up shared content.
Built in extensibility with a **plug-in architecture**	Future versions of Intel® Unite™ will include extended display, video conferencing, meeting scheduling, voice transcription, and virtual conference rooms (ex. Lighting controls) to name a few. Future OS include Chrome, iOS and Android. All plug-in enabled.
Ultimate security features	With Intel Unite, all data is 256-bit encrypted and remains on the corporate network, plus a rotating PIN system ensures only the people you want in a meeting can attend. Customers can rest assure their data is secure with DDP Security Tools including optional encryption.
OptiPlex Micro comes with **Dell's award-winning ProSupport Plus services**	ProSupport Plus offers customers premium hardware and software support from Dell experts 24x7x365, both domestically and internationally. Plus, an enhanced accidental damage agreement provides coverage for spills, electrical surges, and drops. With Dell, customers are assured their conference room system is working properly and fully covered around the clock.

Recommended Accessories

Dell 55 Monitor- E5515H
55" display designed for conference rooms with FullHD resolution, high brightness and exceptional clarity

Dell Wireless Keyboard & Mouse- KM636
Compact, slim-line keyboard with chiclet keys and a comfortable optical mouse

Dell Interactive Projector- S510
Enable pen-based interactivity between multiple users with a projector designed for low-shadow, ultra short-throw performance and wireless connectivity.

Dell Premium Keyed Lock
Cut-resistant steel cable provides protection against theft with T-bar locking mechanism

Dell OptiPlex Micro VESA Mount
Mount your system on a wall or under a surface with an adapter bracket to manage power cables with ease

Resources

Spec Sheets | Training

New Dell OptiPlex 5040

Fully-featured commercial desktop with advanced performance, security and manageability.

Key features	Why it matters
New, smaller MT and SFF chassis, designed specifically around Intel's® latest 65W commercial desktop architecture	Provide all the power and performance of larger form factors while offering energy efficiency and savings. Smaller form factors offer more opportunities for placement in small spaces such as classrooms, kiosks, conference rooms and labs. Customers will not sacrifice features for a smaller chassis, rather more-efficient CPU's and 2.5" dual hard drives free up space without compromising thermal management or storage capacity.
Latest Intel® Core processors and Intel® Standard Manageability (ISM) for basic out of band management capabilities	Remote or out of band management provides a time saving, secure and cost effective method to ensure that IT assets remain productive and connected to a network. It decreases operational costs, risk and increases IT and employee productivity.
Significantly faster performance with new PCIe solid-state drives	Solid-state drives are more resistant to shock, run silently, have lower access time and less latency because they have no moving mechanical parts. Paired with PCIe, a customer is able to run processes through more channels, thus dramatically increasing performance. Particularly useful for loading videos or large databases.
Supports **Platinum energy efficient PSUs**	Providing customers the industry's most efficient 80 PLUS Platinum (up to 92% efficiency) PSU.
Universal Audio Jack (UAJ)	A UAJ works with common mobile phone headsets, making connectivity simple.
Supports **dual orientation**	Allows users to place their system either vertically or horizontally to maximize space.
Windows 10 support	Commercial customers will benefit from a strong user interface, voice-activated virtual assistant, organization identities, enterprise-grade security and more.

Recommended Accessories

Dell UltraSharp Monitors
Virtually borderless viewing

Dell OptiPlex Cable Cover (MT/SFF)
Thermally tested and designed for OptiPlex, cable covers offer an attractive way to manage and secure cables. Add a Dell lock for complete security

Gen over Gen Feature Comparison

OptiPlex 7020 and OptiPlex 5040

	OptiPlex 7020	OptiPlex 5040
Chassis	Mini Tower, Small Form Factor	Mini Tower, Small Form Factor in a **new Industrial Design**
Chipset	Intel® Q87 Chipset	**Intel® Q170 Chipset**
Processor	4th generation Intel® 95w processors; PDC – i7	**6th generation Intel® 65w processors**; PDC – i7
Memory	4 DIMM up to 16G DDR3	4 DIMM up to 16GB DDR3
Video Ports	DisplayPort/DisplayPort/VGA	DisplayPort/DisplayPort/**HDMI, Optional VGA**
Additional ports	RJ-45, serial, PS/2, headphone, Mic, line in Optional: Parallel, serial, 2nd NIC	RJ-45, serial, PS/2, UAJ headphone, line in Optional: parallel, serial
USB	4 x USB3.0 + 6 x USB2.0	6 x USB3.0 + 4 x USB2.0 (**1 USB Charging Port**), **USB Smart Power On**
dGfx (Options)	Intel® Integrated, AMD R7 250, dual AMD RS 240, AMD R5 240	Intel® Integrated **AMD R5 340X, dual AMD R5 340X, AMD R7 350X**
Security	TPM 1.2, standard security lock slot, padlock loop, Intrusion switch, SED hard drive	**TPM 1.2, TPM 2.0 - firmware updatable**, standard security lock slot, Padlock loop, Intrusion switch, SED hard drive, **optional cable covers**
Optical	HH/12.7mm, DVD-ROM, DVD-RW	9.5mm, DVD-ROM, DVD-RW
Storage	2 x 2.5", 1 x 3.5", 19-1 MCR	2 x 2.5", 1 x 3.5" & **1 x M.2, PCIe NVMe SSD; 8-1 SD**
Wireless Card	Intel wireless card BT	Intel wireless card BT
DDP	Dell Data Protection | Encryption (DDP|E) - Software	Dell Data Protection | Encryption (DDP|E) - Hardware Crypto Accelerator (HCA) and Software
Power (PSU)	80 Plus Active PFC, 80 Plus Bronze, 80 Plus Gold (MT 290W, SFF 255W)	80 Plus Active PFC, 80 Plus Bronze, 80 Plus **Platinum (MT-240W and SFF-180W)**
Expansion Slots	MT: 4 FH (PCI, 3xPCIe) / SFF: 2 LP (2xPCIe)	MT: 4 FH (PCI, 3xPCIe) / SFF: 2 LP (2xPCIe)
Environment	Energy Star, EPEAT Gold	Energy Star, EPEAT Gold

Dell OptiPlex 7020

Best-in-class security with the reliability and performance necessary to power your business.

Key features	Why it matters
World's most manageable desktop with Dell Client Command Suite tools and Dell Configuration & Deployment Services	By building unique management capabilities into OptiPlex desktops, Dell Client Command Suite provides free tools that automate and streamline system deployment, monitoring and updating in complex IT environments. By optimizing your systems management environment with Dell Client Command Suite, businesses can save up to $57/per systems each year through less labor costs and improved end-user productivity.
Best in class security with TPM and Dell Data Protection solutions	Enable protected end-user data access without disruption. Shift from simply securing a device to securing data wherever it goes. Easily meet security compliance requirements.
Tool-less serviceability	The OptiPlex 7020 has a tool-less chassis design to make it quick and easy to perform routine maintenance, saving you valuable time and resources.
Best-in-class durability	The Dell OptiPlex 7020 is made with durable materials that measure up against real-world conditions. It has undergone Dell Highly Accelerated Life Cycle Testing (H.A.L.T.) and has withstood our engineers' tolerance limits for heat, cold, vibration, shocks and drops.

Recommended Accessories

Dell 24" P2414H Monitor
Enjoy Full HD 1920 x 1080 resolution with an ultra-wide viewing angle

Dell Dual Monitor Stand – MDS14
Maximize your viewing comfort and improve productivity

New Dell OptiPlex 22 3000 Series AIO (3240)

Essential business productivity with enhanced security solutions and a space-saving, tool-less design.

Coming this December!

Key features	Why it matters
Dell's first commercial all-in-one in the **22" display category**	21.5" Wide Viewing Angle FullHD display allows more onscreen information to reduce scrolling and improve productivity.
Supports **Bronze** and **Platinum energy efficient PSUs**	Providing customers the industry's most efficient 80 PLUS Bronze (up to 85% efficiency) PSU and 80 PLUS Platinum (up to 92% efficiency) PSU
Universal Audio Jack (UAJ)	A UAJ works with common mobile phone headsets, making connectivity simple.
Tool-less design with a simple removable rear panel and new flush cable covers	Tool-less serviceability provides easy access to key system components such as drives, memory and the customer replaceable power supply for quick, simple service and upgrades. Flush cable covers secure and manage cables/ports while enhancing the system aesthetics.
Windows 10 support	Commercial customers will benefit from a strong user interface, voice-activated virtual assistant, organization identities, enterprise-grade security and more.
Standard, Height Adjustable, Articulating, VESA	Support for Standard Tilt, Height Adjustable with swivel, Articulating stands, as well as VESA gives users an array of choices to promote ergonomically sound work spaces that promote productivity and collaboration.

Recommended Accessories

Dell Wireless Keyboard and Mouse-KM636
Compact, slim-line keyboard with chiclet keys and a comfortable optical mouse

Dell Height Adjustable Stand
Adjust your view for optimal comfort and productivity

Gen over Gen Feature Comparison

OptiPlex 3030 All-in-One and OptiPlex 22 3000 Series All-in-One (3020)

	OptiPlex 3030 AIO	OptiPlex 22 3000 Series (AIO)
Form Factor/ ID Language	Essential All-in-One Desktop	Essential All-in-One Desktop; **New Design with New ID aligned with the Dell monitor portfolio**
Display	19.5" WLED display; Touch/Non-Touch; Supports up to 1 additional display	**21.5" WVA;** Touch/Non-Touch; Supports up to 1 additional display
Chipset	Intel H81 Chipset	**Intel H110 Chipset**
CPU	4th generation Intel® 65w processors; Cel – i5	**6th generation Intel® 65w processors**; Cel – i5
Serviceability	Serviceable in 3 steps	**Tool-less**
Graphic	Intel® Integrated; 1GB AMD Radeon R5 A240	Intel® Integrated; **1GB AMD Radeon R5 340X**
Memory	2 SoDIMM Up to 16GB DDR3	2 SoDIMM Up to 16GB DDR3
Storage /ODD	2.5" Hard Drive: up to 1TB, Hybrid, SSD, SED, 9.5mm ODD	2.5" Hard Drive: up to 1TB, Hybrid, SSD, SED, 9.5mm ODD
SW/ Security/ Manageability/OS	TPM 1.2, DDP Encryption SW, Optional port cover, Win 7, Win8.1, Ubuntu	**TPM 1.2, TPM 2.0 - firmware updatable**, DDP Encryption SW, **Intrusion switch, included port cover**, Win 7, Win 8.1, **Win 10**, Ubuntu
Communications	Intel Wireless Card, Single microphone, Integrated speakers, Webcam	Intel Wireless Card; **Bluetooth, Array microphone**, Integrated speakers, HD Webcam
Expansion Slots	1 M.2	1 M.2
Ports & IO	USB (4) 2.0, (2) 3.0, VGA, Memory Card Reader SD 3.0	**USB (2) 2.0, 4) 3.0, HDMI Out, HDMI In, Display Port,** MCR SD 3.0, **USB Smart Power On**
Power Supply / Environment	Internal; 80 PLUS Bronze PSU (PSU is Field Replaceable Unit); ENERGY STAR, EPEAT Gold	Internal; 80 PLUS **Bronze/Platinum PSUs (PSU is Customer Replaceable Unit);** ENERGY STAR, EPEAT Gold
Stands	Basic, VESA Mounting (S&P Arm)	Basic, **Height Adjustable w/Swivel, Articulating,** VESA Mounting (S&P Arm)

Dell OptiPlex 3030 All-in-One

Dell's sleek and space saving all-in-one desktop provides best-in-class security along with performance and collaboration.

Key features	Why it matters
19.5" 1600 x 900 resolution WLED screen, edge-to-edge touch glass, and optional ten point multi-touch (with Windows 8.1)	Navigate Windows 8.1 on a 19.5" LCD screen offering 1600 x 900 resolution and edge-to-edge glass for a vibrant view. With the optional touch screen, you can navigate between applications and windows with a simple tap, pinch, scroll or swipe.
Only Dell offers award-winning system management and virtualization software with best-in-class integration into Microsoft System Center and Dell KACE appliances	Saves time with a single console for centralized remote management with one-click system upgrades and automatic maintenance tasks.
Best in class security with TPM and Dell Data Protection solutions	Enable protected end-user data access without disruption. Shift from simply securing a device to securing data wherever it goes. Easily meet security compliance requirements.
Up to 4th Generation Intel® Core 65w i5 processors with up to 16GB memory and optional discrete graphics	4th Generation Intel® Core CPUs offer the perfect balance of performance and efficiency.

Recommended Accessories

Dell Lockable Port Cover
Secure your device and the data within it

Dell Wireless Keyboard & Mouse
Ultimate productivity in a clutter-free workspace

Resources

Video

Won 2014 "Green Partnership Award" from the Taiwan Ministry of Economic Affairs for the OptiPlex 3030 All-in-One's ULE-certified closed-loop recycling initiative.

New Dell OptiPlex 3040

Essential business productivity with enhanced security solutions and a space-saving, tool-less design.

Coming this December!

Key features	Why it matters
Available in MT, SFF and MFF; MT and SFF chassis redesigned specifically around Intel's® latest 65W commercial desktop architecture	Provide all the power and performance of larger form factors while offering energy efficiency and savings. Smaller form factors offer more opportunities for placement in small spaces such as classrooms, kiosks, conference rooms and labs. Mounted to the wall or tucked into an over-head bin/shelf. Customers will not sacrifice features for a smaller chassis, rather more-efficient CPU's and 2.5" dual hard drives free up space without compromising thermal management or storage capacity.
Supports **Platinum energy efficient PSUs**	Providing customers the industry's most efficient 80 PLUS Platinum (up to 92% efficiency) PSU.
Universal Audio Jack (UAJ)	A UAJ works with common mobile phone headsets, making connectivity simple.
Supports **dual orientation**	Allows users to place their system either vertically or horizontally to maximize space.
Windows 10 support	Commercial customers will benefit from a strong user interface, voice-activated virtual assistant, organization identities, enterprise-grade security and more.

Recommended Accessories

Dell 27 Monitor | E2715H
Affordable and reliable monitor with essential features that meet your business needs

Dell OptiPlex Cable Cover (MT/SFF)
Thermally tested and designed for OptiPlex, cable covers offer an attractive way to manage and secure cables. Add a Dell lock for complete security

Dell Wireless Keyboard & Mouse
Ultimate productivity in a clutter-free workspace

Dell OptiPlex Micro VESA Mount
Mount your system on a wall or under a surface with an adapter bracket to manage power cables with ease

Dell OptiPlex Micro AIO Mount for E-Series Displays
VESA mounted to select Dell E-Series displays

Dell OptiPlex Micro Console with DVD-RW
Designed for open environments to provide optical drive access, cable security and management

Dell OptiPlex Micro Dual VESA with Humanscale Arm
Completely open your workspace with a behind the monitor mounting solution

Dell OptiPlex Micro All in One Mount
This solution replaces traditional all in one mounts for flexible screen sizes

Gen over Gen Feature Comparison

OptiPlex 3020 and OptiPlex 3040

	OptiPlex 3020	OptiPlex 3040
Chassis	Mini-tower, Small Form Factor	New Mini-tower, Small Form Factor in a **new Industrial Design**
Chipset	Intel® H81 Chipset	**Intel® H110 Chipset**
Processor	4th generation Intel® 95w processors; Cel – i5	**6th generation Intel® 65w processors**; Cel – i5
Memory	2 DIMM up to 16GB DDR3	2 DIMM up to 16GB DDR3
Video Ports	DisplayPort/VGA	DisplayPort/**HDMI** (VGA Optional)
Additional ports	RJ-45, serial, PS/2, headphone, Mic, line in Optional: Parallel, serial	RJ-45, serial, PS/2, **UAJ headphone**, line in Optional: Parallel, Serial
USB	4 x USB3.0 + 6 x USB2.0	6 x USB3.0 + 4 x USB2.0, **USB Smart Power On**
Graphics	Intel® Integrated, AMD R7 250, dual AMD RS 240, AMD R5 240	Intel® Integrated, **AMD R5 340X, AMD R7 350X**
Security	TPM 1.2, standard security lock slot, Padlock loop, Intrusion switch	**TPM 1.2, TPM 2.0 - firmware updatable**, standard security lock slot, Padlock loop, Intrusion switch, optional **cable covers**
Optical	HH/12.7mm, DVD-ROM, DVD-RW	9.5mm, DVD-ROM, DVD-RW
Storage	2 x 2.5", 2 x 3.5", 19-1 MCR, RAID	2 x 2.5", 1 x 3.5" & 8-1 SD
Wireless Card	Intel® wireless card, BT	Intel® wireless card, BT
DDP	Dell Data Protection | Encryption (DDP|E) - Software	Dell Data Protection | Encryption (DDP|E) - Software
Power (PSU)	80 Plus Active PFC, 80 Plus Bronze, 80 Plus Gold (MT 290W, SFF 255W)	80 Plus Active PFC, 80 Plus Bronze, 80 Plus **Platinum (MT 240W, SFF 180W)**
Expansion Slots	MT: 4 FH (PCIe) / SFF: 2 LP (2xPCIe)	MT: 4 FH (PCIe) / SFF: 2 LP (2xPCIe)
Serviceability	Tool-less	Tool-less
Environment	Energy Star, EPEAT Gold	Energy Star, EPEAT Gold

Gen over Gen Feature Comparison

OptiPlex 3020 Micro and OptiPlex 3040 Micro

	OptiPlex 3020 Micro	OptiPlex 3040 Micro
Chassis	Micro Form Factor	Micro Form Factor
Chipset	Intel® Q81 Chipset	**Intel® H110 Chipset**
Processor	4th generation Intel® 35w processors; Cel – i5	**6th generation Intel® 35w processors**; Cel – i5
Memory	2 SoDIMM up to 16GB DDR3	2 SoDIMM up to 16GB DDR3
Ports	DP/VGA	DP/**HDMI**
Additional ports	Optional PS/2 and serial fan cable or HDMI	Optional PS/2 and serial fan cable or **VGA**
USB	2 x USB3.0	4 x USB3.0, **USB Smart Power On**
Graphics	No discrete graphics support	No discrete graphics support
Security	TPM, standard security lock slot, Padlock loop, Intrusion switch, SED hard drive	**TPM 1.2, TPM 2.0 - firmware updatable**, standard security lock slot, Padlock loop, Intrusion switch, SED hard drive
Optical	External ODD or console mount	External ODD or console mount
Storage	1 x 2.5" HDD & 1 x M.2, No MCR	1 x 2.5" HDD & 1 x M.2, No MCR
Wireless	Intel wireless card, BT	Intel wireless card, BT
DDP	DDP SW	DDP SW
Power	65w external adapter	65w external adapter
Mount options	All-in-One, Console, VESA, Dual VESA, Vertical Stand, AIO mount for E-Series displays	All-in-One, Console, VESA, Dual VESA, Vertical Stand, **All-in-One for E-Series displays**
Environment	Energy Star, EPEAT Gold, Halogen Free (excl. adapter)	Energy Star, EPEAT Gold, Halogen Free (excl. adapter)

Dell OptiPlex 3020

Boost productivity with essential business-class performance, excellent security and simple serviceability.

Key features	Why it matters
Space-saving MT, SFF and Micro chassis	Multiple deployment options, offering 4th Generation Intel® processors (Celeron to i5 Quad Core) with up to 16GB memory and optional discrete graphics.
Best in class manageability with Dell Client Command Suite tools	Saves time with a single console for centralized remote management with one-click system upgrades and automatic maintenance tasks. By optimizing your systems management environment with Dell Client Command Suite, businesses can save up to $57/per systems each year through less labor costs and improved end-user productivity.
Best in class security with TPM and Dell Data Protection solutions	Enable protected end-user data access without disruption. Shift from simply securing a device to securing data wherever it goes. Easily meet security compliance requirements.
Tool-less serviceability	Easy access to the system components for servicing and upgrades.
Six mounting options designed and tested for OptiPlex Micro PCs	A full range of mounting solutions designed and tested for OptiPlex Micro PC – to let customers make room for what matters most.
ENERGY STAR 6.0 qualified and EPEAT registered	Minimize energy consumption while saving money with ENERGY STAR 6.0.

Recommended Accessories

Dell P2214H Monitor
Enjoy Full HD 1920 x 1080 resolution with an ultra-wide viewing angle

Dell Single Monitor Arm – MSA14
Adjust your monitor any way you want for a comfortable viewing experience

Dell Wireless Keyboard & Mouse
Ultimate productivity in a clutter-free workspace

Dell OptiPlex Micro VESA Mount
Mount your system on a wall or under a surface with an adapter bracket to manage power cables with ease

Dell OptiPlex Micro AIO Mount for E-Series Displays
Allows the micro to be VESA mounted to select Dell E-Series displays

Dell OptiPlex Micro Console with DVD-RW
Designed for open environments to provide optical drive access, cable security and management

Dell OptiPlex Micro Dual VESA with Humanscale Arm
Complete open your workspace with a behind the monitor mounting solution

Dell OptiPlex Micro All in One Mount
This solution replaces traditional all-in-one mounts for flexible screen sizes

Precision

Precision tower workstations

Performance

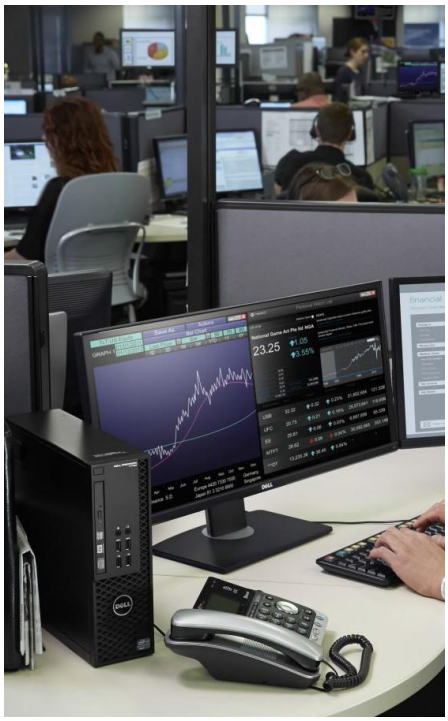
Precision delivers the world's most powerful and scalable tower and rack workstations with the very latest technologies. No job is too big with the latest Intel® Core™ and Intel® Xeon® processors, professional-grade graphics, and robust memory and storage options. Precision Optimizer works with some of the most popular Independent Software Vendor (ISV)-applications and automatically tunes your workstation to run specific programs at the fastest speeds possible, enhancing productivity.

innovative Design

Dell offers a variety of choices to deliver to your unique needs with mini tower, the world's smallest form factor and rack options. Front accessible hard drives and an externally removable power supply on the innovative chassis design provide out- standing access to internal components for easy maintenance or upgrades.

Reliability

Precision workstations are tested, certified and supported to deliver optimum reliability and maximum uptime. Long lifecycles and transitions enable simple planning for future product roll-outs, while ImageWatch™ gives advanced views of software and hardware changes. Dell solutions are certified by our independent software vendor (ISV) partners to provide assurance that specific hardware and software combinations meet key performance and reliability criteria and to guarantee accountability and support for certified configurations. All Precision workstations are backed by Dell's award-wining support services. Optional ProSupport Plus is the only complete support that combines proactive resolution, automated prevention and protection for PCs and tablets.



Dell has it. HP doesn't.

Outstanding performance & reliability

Designed from the inside out for superior performance with certified dependability	Precision	HP
Dell exclusive Reliable Memory Technology for maximum uptime by eliminating virtually all memory errors	✓	✗
Precision Tower7910 support for up to three high end graphics cards versus HP Z840 only two	✓	✗
Precision Tower 7910 features tool-free front accessible drives versus HP Z840	✓	✗
Precision Towers 5810, 7810, 7910 feature Externally accessible power supply; HP Z440, Z640, Z840 do not	✓	✗

More Secure

World's most secure workstations	Precision	HP
TPM specifications available with additional cryptographic services for enhanced security	✓	✗
Dedicated security model with both a smartcard reader and biometric fingerprint reader	✓	✗

More Manageable

Management features to optimize business productivity	Precision	HP
Dell ProSupport Plus, option for proactive & predictive support, Next Business Day Onsite Service after remote diagnosis with 24x7x365 tech-to-tech support	✓	✗
SCCM extensions for one-to-many out-of-band BIOS management and monitoring with Intel®vPro™	✓	✗

Dell Precision Optimizer

A unique technology Dell Precision Optimizer is available on all Precision Workstations.

- Automatic tuning of workstation settings to enhance performance of select applications
- Keeps workstation up to date with latest driver, software, & firmware updates
- Track and report on system utilization to proactively manage potential issues
- Now with SCCM integration for remote management and deployment

Preconfigured settings for:

- Adobe Creative Cloud®
- Adobe® Photoshop® CS/CC
- Adobe® Premiere® Pro CS/CC
- Adobe® After Effects® CS/CC
- Adobe® Media Encoder® CS/CC
- Autodesk® AutoCAD®
- Autodesk® Maya®
- Dassault Systèmes SolidWorks®
- Dassault Systèmes CATIA
- PTC® Creo®
- Siemens NX™
- And more

Discover more about the Dell Precision Optimizer and download it on dell.com

Dell - Internal Use - Confidential

Demanding work deserves Precision

New Precision fixed workstations

	Precision Tower 3000 Series (3420/3620)	Precision Tower 5000 Series (5810)	Precision Tower 7000 Series (7810/7910)	Precision Rack 7000 Series (7910)
Form factor	Minitower or SFF	Midtower	Midtower	2U Rack
Processor	Single Intel® Core™ or Intel® Xeon®	Single Intel® Xeon®	1 or 2 Intel® Xeon®	1 or 2 Intel® Xeon®
Graphics	NVIDIA Quadro® or AMD FirePro™	1-2 AMD FirePro™ or NVIDIA Quadro®	1-2 **(7810)** or 1- 4 (**7910)** AMD FirePro™ or NVIDIA Quadro®	1- 4 AMD FirePro™ or NVIDIA Quadro®
Reliable Memory Technology (RMT) Pro	Available early 2016	Yes	Yes	No
Positioning	Affordable tower workstations for professional performance. .	Tower workstation in a compact design with expansion options. Featuring a single Intel® processor.	Dual Intel® Xeon® processors including the world's most powerful and scalable workstation tower (7910)	2U rack workstation ideal for secure remote users or multiple users in a virtualized environment.

NEW Precision Tower 3000 Series (3620)

More performance in an expandable mid tower

Key features	Why it matters
6th Generation Intel Core i3, i5 and i7 processors or Intel Xeon	Latest Intel Skylake processors options deliver outstanding price performance for workstation applications.
Intel CAS-W cache acceleration software for workstations	Exclusive Dell storage acceleration solution. It gives large capacity, spinning disk drives high performance like a Solid State Drive (SSD.) This allows you more immediate access to your most frequently used files.
Up to 64GB 2133Mhz NECC/ECC DDR4 memory	Twice the memory over predecessor for superior performance.
Storage: PCIe M.2 SSD, 2.5" SSD, 3.5" SATA, 2.5" SATA	Choice of up to 1TB PCIe NVMe SSD Storage that offers a very high performance as well as up to 2x 3.5" SATA drives or 4x 2.5" SATA or SSD drives to cater to customers storage requirements.
Professional graphics from NVIDIA and AMD; Intel integrated graphics	Support for Intel integrated graphics as well as Professional graphics cards (Single or Dual) for up to 150W. AMD FirePro & NVIDIA Quadro Graphic cards are certified by ISV's and offer superior performance for running professional applications over a comparable consumer graphics card.
Thunderbolt 2 Option (via add in card)	High speed transfer of data & video.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
ISV Certifications	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Dell 27" Ultra HD Monitor - P2715Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Gen over Gen Feature Comparison

Precision T1700 (MT) and Precision 3620

Platform	Precision (MT) T1700	Precision 3620
CPU	Haswell Xeon, Core™ i3/i5/i7	**Sky Lake Xeon, Core™ i3/i5/i7**
Chipset	Intel C226	**Intel C236**
Graphics	Integrated, Discrete up to 150W	Integrated, Discrete up to 150W
Hard Drives	(2x) 3.5" or (2x/4x) 2.5" HDD SATA 7.2k,10k, 2.5" SSD, SED SRT Cache	**(1x) M.2 SSD** + (2x) 3.5" or (4x) 2.5" HDD SATA 7.2k, 2.5" SSD, SED SSD **PCIe SSD (via 1x M.2)**
Memory	4 DIMM Slots (32GB) DDR3 1600 MHz, NECC / ECC	4 DIMM Slots **(64GB)** **DDR4 2133 MHz, NECC / ECC**
Bays **ODD**	DVD, DVD+/-RW, Blu-Ray 19-1 MCR	DVD, DVD+/-RW, Blu-Ray 19-1 MCR
Slots	4 slots (x16 Gen3,x4 Gen2,x1 Gen2,PCI)	4 slots (x16 Gen3,x4 Gen3, x4 Gen3,PCI)
Key Ports	(6) USB 2.0, (4) USB 3.0 DP/DP/VGA, Serial, Thunderbolt (Add in card)	(4) USB 2.0, **(6) USB 3.0,USB charge** DP/DP/**HDMI** (VGA via dongle), Serial, Thunderbolt (Add in card)
PSU	290W APFC, Bronze, 365W EPA Gold	290W Bronze, 365W EPA Gold
Size	27.3L	27.3L

NEW Precision Tower 3000 Series (3420)

More performance in our smallest tower chassis ever

Key features	Why it matters
6th Generation Intel Core i3, i5 and i7 processors or Intel Xeon	Latest Intel Skylake processors options deliver outstanding price performance for workstation applications.
Intel CAS-W cache acceleration software for workstations	Exclusive Dell storage acceleration solution. It gives large capacity, spinning disk drives high performance like a Solid State Drive (SSD.) This allows you more immediate access to your most frequently used files.
Up to 64GB 2133Mhz NECC/ECC DDR4 memory	Twice the memory over predecessor for superior performance.
Storage: PCIe M.2 SSD, 2.5" SSD, 3.5" SATA, 2.5" SATA	Choice of up to 1TB PCIe NVMe SSD Storage that offers a very high performance as well as up to 1x 3.5" SATA drives or 2x 2.5" SATA or SSD drives to cater to customers storage requirements.
Professional graphics from NVIDIA and AMD; Intel integrated graphics	Support for Intel integrated graphics as well as Professional graphics cards for up to 50W. AMD FirePro & NVIDIA Quadro Graphic cards are certified by ISV's and offer superior performance for running professional applications over a comparable consumer graphics card.
Thunderbolt 2 Option (via add in card)	High speed transfer of data & video.
Intel Wireless Option on SFF Chassis	Ability to deploy in environments where network may not be accessible.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
ISV Certifications	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly.
New smaller SFF chassis	Smallest SFF chassis in its class for high performance workstation deployment in space constrained environments.

Recommended Accessories

Dell 27" Ultra HD Monitor - P2715Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Gen over Gen Feature Comparison

Precision T1700 (SFF) and Precision 3420

Platform	Precision (SFF) T1700	Precision 3420
CPU	Haswell Xeon, Core™ i3/i5/i7	**Sky Lake Xeon, Core™ i3/i5/i7**
Chipset	Intel C226	**Intel C236**
Graphics	Integrated, Discrete up to 50W	Integrated, Discrete up to 50W
Hard Drives	(1x) 3.5" or (2x) 2.5" HDD SATA 7.2k,10k, 2.5" SSD, SED SRT Cache	**(1x) M.2** + (1x) 3.5" or (2x) 2.5" HDD SATA 7.2k, 2.5" SSD, SED SSD **PCIe SSD (via 1x M.2)**
Memory	4 DIMM Slots (32GB) DDR3 1600 MHz, NECC / ECC	4 DIMM Slots **(64GB)** **DDR4 2133 MHz, NECC / ECC**
Bays ODD	DVD, DVD+/-RW, Blu-Ray No Internal MCR	DVD, DVD+/-RW, **Internal SD Card Reader Option**
Slots	2 slots (x16 Gen3,x4 Gen2,x1)	2 slots (x16 Gen3,x4 Gen3)
Ports	(6) USB 2.0, (4) USB 3.0 DP/DP/VGA, Serial	(4) USB 2.0, **(6) USB 3.0, USB charge** DP/DP/**HDMI** (optional VGA), Serial, **Thunderbolt (Add in card)**
PSU	255W, EPA Gold	**180W, 240W**, EPA Platinum
Size	8.4L (312mm x 290mm x 92.6mm)	**7.8L (292mm x 290mm x 92.6mm)**

Target EOL Q2 CY16

Precision T1700 Workstation

Workstation performance for about the price of a desktop in a mini-tower or small form factor design

Key features	Why it matters
4th Intel Core processors, and Intel Xeon E3-1200 v3 processors	Latest Intel Haswell processors options deliver outstanding price performance for workstation applications.
Smart Design chassis – Minitower & Small Form Factor	Smallest SFF chassis in the industry for workstation deployment in space constrained environments. Minitower chassis also the smallest in the industry.
Professional-grade AMD FirePro™ or NVIDIA® Quadro® discrete graphics	Support for Intel integrated graphics as well as Professional graphics card for upto 150W on Minitower chassis, and 50W on SFF chassis. AMD FirePro & NVIDIA Quadro Graphic cards are certified by ISV's and offer superior performance for running professional applications over a comparable consumer graphics card.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
Up to 32GB of NECC/ECC memory	Support for upto 32GB of NECC/ECC memory options for superior performance. ECC (or Error Correcting Memory) helps with detection & correction of common memory errors.
Thunderbolt Option (via add in card)	High speed transfer of data & video.
ISV Certification	The Precision Workstations you purchase are tested to ensure the high-performance applications you rely on every day run smoothly. ISV certification is the result of precise engineering and rigorous testing to optimize performance and reliability to run leading industry applications.

Recommended Accessories

Dell 27" Ultra HD Monitor - P2715Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Precision Rack 7000 Series (7910)

Experience the highest level of workstation performance for 1:1 or 1:many computing

Key features	Why it matters
1 or 2 multi-core Intel Xeon E5-2600 v3 Processors with up to 18 cores per CPU in a flexible 2U rack form factor. Optional liquid cooling for select high end processors	The Xeon E5-2600 series CPUs deliver outstanding performance with both single threaded interactive workstation applications like Mechanical CAD and Media and Entertainment - as well as with multithreaded computation intensive applications like analysis, simulation and rendering which scale with the number of cores. Liquid cooling option delivers quieter performance with both heavy/sustained compute-intensive and peaky workloads
1- 4 AMD FirePro or NVIDIA Quadro professional-grade graphics. Support for up to two NVidia Grid K2A cards	Wide choice of graphic card offerings from entry level 2D/3D applications all the way up to high end graphics with very large memory for fast rendering and visualization of very large data sets. Examples are complex images and scenes created with animation applications and large part files representing whole cars or planes with demanding MCAD applications. Rack 7910 can take up to 4 single width graphics cards for virtualization.
Ideal for secure 1:1 remote user access or 1: many access to virtual workstations with VMware or Citrix hypervisors	The convenient 2U rack form factor is ideal for datacenter, shop floor, academic labs, hazardous environments etc.. Outstanding remote access support with Teradici solutions and Wyse Zero client hardware (or standard notebook PCs) means remote users can be located anywhere there is a network - while their data never leaves the host system. Virtualization support with VMware and Citrix enables multiple users to access a single Rack 7910 workstation.
High performance storage options including 15K SAS hard drives and an innovative PCIe SSD card solution	Dell's Enterprise class SAS hard drives (up to 15K RPM) and PCIe SSD card with up to 4 M.2 PCIe NVMe SSDs deliver improved performance with key workstation user operations like opening, editing and saving very large files.
Optional RAID Configurations with up to 8 hard drives and high performance 12Gb/s second PCIe RAID controllers	Precision customers prize performance (and reliability) above all and that includes storage I/O performance i.e. how fast can they write and read large files back and forth to disks. RAID configs (organizing a number of disks in different ways) are available that maximize performance (RAID 0 for striping) or redundancy (Raid 1 – mirrored drives) or both with RAID 10 (striped mirrored drives.)
Dell Reliable Memory Technology Pro (RMT Pro)	RMT Pro reduces user downtime by mapping out bad spots on a DIMM to avoid blue screens and proactively warns the user after 7 incidents that they have bad DIMM which should be replaced.

Recommended Accessories

Dell UltraSharp 24 Ultra HD Monitor - UP2414Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Precision Tower 7000 Series (7910)

The most powerful, scalable Precision tower ever for ultimate performance and expandability

Key features	Why it matters
1 or 2 multi-core Intel Xeon E5-2600 v3 Processors with up to 18 cores per CPU	The Xeon E5-2600 series CPUs deliver outstanding performance with both single threaded interactive workstation applications like Mechanical CAD and Media and Entertainment - as well as with multithreaded computation intensive applications like analysis, simulation and rendering which scale with the number of cores.
1- 4 AMD FirePro or NVIDIA Quadro professional-grade graphics	Wide choice of graphic card offerings from entry level 2D/3D applications all the way up to high end graphics with very large memory for fast rendering and visualization of very large data sets. Examples are complex images and scenes created with animation applications and large part files representing whole cars or planes with demanding MCAD applications.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
High performance storage options including 15K SAS hard drives and an innovative PCIe SSD card solution	Dell's Enterprise class SAS hard drives (up to 15K RPM) and PCIe SSD card with up to 4 M.2 PCIe SSDs deliver improved performance with key workstation user operations like opening, editing and saving very large files.
Optional RAID Configurations with up to 8 hard drives and high performance 12Gb/s second PCIe RAID controllers	Precision customers prize performance (and reliability) above all and that includes storage I/O performance i.e. how fast can they write and read large files back and forth to disks. RAID configs (organizing a number of disks in different ways) are available that maximize performance (RAID 0 for striping) or redundancy (Raid 1 – mirrored drives) or both with RAID 10 (striped mirrored drives.)
Dell Reliable Memory Technology Pro (RMT Pro)	RMT Pro reduces user downtime by mapping out bad spots on a DIMM to avoid blue screens and proactively warns the user after 7 incidents that they have bad DIMM which should be replaced.
Teradici PCoIP® Workstation Access Software	Workstation users today are highly mobile and often need to access their applications and files while on the road or at home. Our remote access solutions allow them to easily do that remotely from a laptop or Android or IOS device. (hard ware host card is also available on towers & is qualified with the Wyse Zero clients).

Recommended Accessories

Dell UltraSharp 24 Ultra HD Monitor - UP2414Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Precision Tower 7000 Series (7810)

Ultimate performance and scalability in a compact and innovative tower design

Key features	Why it matters
1 or 2 multi-core Intel Xeon E5-2600 v3 processors with up to 14 cores per CPU	The Xeon E5-2600 series CPUs deliver outstanding performance with both single threaded interactive workstation applications like Mechanical CAD and Media and Entertainment - as well as with multithreaded computation intensive applications like analysis, simulation and rendering which scale with the number of cores. and additional memory bandwidth (2X single) delivered with the 2nd CPU
Single or dual AMD FirePro or NVIDIA Quadro professional-grade graphics	Wide choice of graphic card offerings from entry level 2D/3D applications all the way up to high end graphics with very large memory for fast rendering and visualization of very large data sets. Examples are complex images and scenes created with animation applications and large part files representing whole cars or planes with demanding MCAD applications.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment by using SCCM integration.
High performance storage options including 15K SAS hard drives and an innovative PCIe SSD card solution	Dell's Enterprise class SAS hard drives (up to 15K RPM) and PCIe SSD card with up to 4 M.2 PCIe NVMe SSDs deliver improved performance with key workstation user operations like opening, editing and saving very large files.
Optional RAID Configurations with up to 4 2.5" hard drives and high performance 12Gb/s second PCIe RAID controllers	Precision customers prize performance (and reliability) above all and that includes storage I/O performance i.e. how fast can they write and read large files back and forth to disks. RAID configs (organizing a number of disks in different ways) are available that maximize performance (RAID 0 for striping) or redundancy (Raid 1 – mirrored drives) or both with RAID 10 (striped mirrored drives.)
Dell Reliable Memory Technology Pro (RMT Pro)	RMT Pro reduces user downtime by mapping out bad spots on a DIMM to avoid blue screens and proactively warns the user after 7 incidents that they have bad DIMM which should be replaced.
Access your Workstation from anywhere with Teradici PCoIP®	Workstation users today are highly mobile and often need to access their applications and files while on the road or at home. Our remote access solutions allow them to easily do that remotely from a laptop or Android or IOS device. (hard ware host card is also available on towers & is qualified with the Wyse Zero clients).

Recommended Accessories

Dell UltraSharp 24 Ultra HD Monitor - UP2414Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Precision Tower 5000 Series (5810)

Big power in a compact, innovative design

Key features	Why it matters
High frequency Intel Xeon E5-1600 v3 processors and three Intel Xeon E5-2600 v3 high core count processors with optional vPro	The Xeon E5-1600 series CPUs deliver outstanding price performance with (single threaded) interactive workstation applications like Mechanical CAD and Media and Entertainment - which scale with clock speed. For workstation customers who require a higher core count for computation intensive applications in a single socket system, 3 high core count Intel Xeon E5- 2600 processors up to 14 cores are offered
Single or dual AMD FirePro or NVIDIA Quadro professional-grade graphics	Wide choice of graphic card offerings from entry level 2D/3D applications all the way up to high end graphics with very large memory for fast rendering and visualization of very large data sets. Examples are complex images and scenes created with animation applications and large part files representing whole cars or planes with demanding MCAD applications.
Precision Optimizer NOW with SCCM integration for remote management	The Precision Optimizer automatically tunes your Workstation to run specific programs at the fastest speeds possible, enhancing productivity. Precision Optimizer is the only workstation optimizing software that allows IT administrators to remotely optimize workstations in their corporate environment.
High performance storage options including 15K SAS hard drives and innovative PCIe SSD card solution	Dell's Enterprise class SAS hard drives (up to 15K RPM) and PCIe SSD card with up to 4 M.2 PCIe NVMe SSDs deliver improved performance with key workstation user operations like opening, editing and saving very large files.
Optional RAID Configurations with up to 4 2.5" hard drives and high performance 12Gb/s second PCIe RAID controllers	Precision customers prize performance (and reliability) above all and that includes storage I/O performance i.e. how fast can they write and read large files back and forth to disks. RAID configs (organizing a number of disks in different ways) are available that maximize performance (RAID 0 for striping) or redundancy (Raid 1 – mirrored drives) or both with RAID 10 (striped mirrored drives.)
Dell Reliable Memory Technology (RMT)	RMT Pro reduces user downtime by mapping out bad spots on a DIMM to avoid blue screens and proactively warns the user after 7 incidents that they have bad DIMM which should be replaced.
Access your Workstation from anywhere with Teradici PCoIP® Workstation Access Software	Workstation users today are highly mobile and often need to access their applications and files while on the road or at home. Our remote access solutions allow them to easily do that remotely from a laptop or Android or IOS device. (hard ware host card is also available on towers & is qualified with the Wyse Zero clients).

Recommended Accessories

Dell UltraSharp 24 Ultra HD Monitor - UP2414Q
Hone in on the fine details and give your work the attention it deserves with four times the resolution of Full HD

Dell Dual Monitor Stand
Optimize your dual monitor setup to improve productivity and reduce desktop clutter

Dell Wireless Premium Keyboard & Mouse Combo (KM714)
Keep your desk clutter-free with a modern wireless keyboard and mouse combo

3DConnexion SpaceNavigator 3D Mouse
Fly through 3D design environments with the advanced mouse that allows natural and intuitive navigation

Resources

Product Overview Video
Why Workstations eGuide | Workstation Advisor

Precision Tower key claims

- Precision 7000 Series Tower (7910):
  - The world's most powerful and scalable workstation
- Precision 3000 Series Tower (3420):
  - Smallest workstation tower in the world
  - Smallest SFF workstation in the world
  - Smallest SFF workstation in its class

- The world's most secure workstation with industry-leading endpoint security solutions that include comprehensive encryption, advanced authentication and leading-edge malware protection.
- World's most manageable mobile workstation
- Dell ProSupport Plus with SupportAssist significantly reduces time to resolve common hardware problems:
  - Takes up to 58% fewer steps in the support process, compared to key competitors*
  - Up to 84% less time on the phone with tech support, compared to key competitors*

****Based on Nov 2014 Principled Technologies Test Report commissioned by Dell. Actual results will vary. For the full report visit: http://facts.pt/14dh1gl**

Smart Design: best-in-class chassis innovation
Precision Tower 5000 and 7000 Series

Convenient, push button lock

Handles for easy deployment

Better airflow for a quieter, cooler user experience

Easy troubleshooting. Functioning PSU handle glows

Tool-less externally accessible power supply

Tool-less, quick release hard drives. Externally accessible on Tower 7910

Precision Key Differentiators

Precision Optimizer

- Improve productivity with the Precision Optimizer, which is an automated tool that ensures your software runs at its maximum potential, unlike the competition that will only offer advise for fine-tuning.
- By fine-tuning your system beyond standard factory settings, you achieve the best possible Independent Software Vendor (ISV) application performance.
- The Precision Optimizer enables and monitors automated system updates from one convenient location and provides system utilization reports to be certain you have the necessary resources.
- The Optimizer is available in English, German, French, Japanese and simplified Chinese.

Reliable Memory Technology Pro (RMT Pro)

- Dell's exclusive, patented Reliable Memory Technology Pro (RMT Pro) helps maximize uptime, compared to the competition, and ensures that your Workstations work as hard as you do.
- RMT Pro works in conjunction with error-correcting code (ECC) memory to detect and correct memory errors in real time.
- RMT Pro makes memory errors virtually nonexistent so that the bad memory is never revisited again and the DIMM can still be used.
- With a simple system reboot, RMT Pro isolates the defective area in memory and hides it from the OS.
- Not available on Rack 7910

Dell PCIe Storage Solutions

- The Dell developed PCIe SSD cards sit on the PCIe BUS and can support up to 4 M.2 PCIe NVMe SSD modules per card which equals up to 4TB of SSD storage and 4x as many hard drives per slot as HP.
- Dell's PCIe SSD card is actively cooled (fan) keeping up to 4 M.2 drives running at peak performance under thermal stress not to mention the reliability benefits of active cooling – Vs passive cooling on HP Turbo Z card
- The Dell PCIe SSD card provides more performance - with the Spec WPC Storage benchmark and up to 3X with both random and sequential writes (I/O Meter, 8K) - than a standard SATA SSD drive.
- .Dell also offers 2 Intel high performance 2.5" PCIe SSD drives (HH/HL cards) on the Tower 5000 and 7000 Series

Intel CAS-W cache acceleration software for workstations

- Exclusive Dell cache acceleration software for workstations for increased storage performance compared to the competition.
- Intel CAS-W software solutions enable I/O speeds close to that of solid-state drive configurations at the storage and price of traditional drives.
- Intel CAS-W provides a better user experience, with up to 3.6x higher frame rate in Adobe After Effects® 2015 and up to 70% increased frame rates in AutoCAD® 2015.

Other Workstation Key Technologies

Teradici PCoIP® Workstation Access Software

- The PCoIP workstation remote access software allows any PCoIP enabled endpoint, PC or tablet, to connect to your Precision tower and rack workstation to view, edit and get work done.
- The remote access software-based solution only transmits (host rendered) encrypted pixels, not data, which remains securely stored on your workstation – ensuring protection of your intellectual property.
- The Teradici PCoIP remote access software is compatible with all Precision tower and rack workstations.
- One year of 24x7x365 support provided by Teradici (with support SKU.)

Intel® Xeon® Processors

- Step up to the performance and visuals demanded by professional-grade CAD or media and entertainment applications
- With Intel® vPro™ technology, you can make sure your workstations are as secure and manageable as any PC in your organization's fleet.
- Media and entertainment animators, artists, and editors looking to accelerate nonlinear editing or test select special effects—such as blur and motion filters—can work with greater efficiency.
- Software benefits because the Intel Xeon processor product family has been certified on and optimized for a wide range of third-party ISV applications.

RAID

- RAID (originally redundant array of inexpensive disks, now commonly redundant array of independent disks) is a data storage virtualization technology that combines multiple physical disk drive components into a single logical unit for the purposes of data redundancy, performance improvement, or both.
- RAID 0 distributes data across multiple drives (for example, block A goes to and from drive 1, block B goes to and from drive 2), which permits increased write and read speeds. This approach is often referred to as striping.
- RAID 1 writes and reads the same data to pairs of drives; it's also referred to as mirroring. The drives are equal partners—should either fail, you can continue working with the good one until you can replace the bad one.
- RAID 5 This RAID mode offers both speed and data redundancy. RAID 5 writes data to and reads from multiple disks, and it distributes parity data across all the disks in the array. Parity data is a smaller amount of data derived mathematically from a larger set that can accurately describe that larger amount of data, and thus serves to restore it.
- RAID 10, also referred to as RAID 1 + 0, stripes data (RAID 0) across mirrored pairs (RAID 1) of drives. With this arrangement, you get back some of the write speed that RAID 1 can cost you—but you need at least four drives to implement it.

Vostro

NEW Vostro Small Desktop (Intel®) (3250/3252)*

Compact design delivering reliable desktop performance for small business.

Key features	Why it matters
Revolutionary design	Revolutionary design with easily removable cover simplify hardware upgrade and enhance system serviceability. Organized placement of I/O ports to ensure easy access to most used connectivity features. Redesigned venting improves system airflow plus an ultra-fine filter reduces dust accumulation for reliable performance.
Latest Intel® 6th Gen processor up to Core™ i7	Fast processing power and performance help you get more done faster. Offers a range Intel processor options for different business budget and needs, easy to configure with plenty of expansion slots for future upgrade.
Intel® HD graphics with optional 2GB discrete graphics from NVIDIA/AMD	Get a performance boost for faster multi-tasking with optional discrete graphics cards up to 2GB from NVIDIA or AMD Radeon.
Up to 2TB of HDD capacity and 8GB DDR3L system memory	Get massive data storage for all your needs–up to 2TB HDD of storage capacity.
Built-in wireless 802.11ac technology	For faster speed and better connectivity at a longer range.
Six USB ports including two USB 3.0 and four USB 2.0 ports	Easy file transfer with front and back USB ports (two USB 3.0 and four USB 2.0 port) and optional media card reader (supports 5-in-1).
Optional optical drive	Supports local data backup or file transfer.
Optional DVI, serial and parallel ports	Supports multiple monitor display which increases productivity enabling simultaneous use of multiple applications. Support for legacy peripherals ensures maximum protection of your existing technology investments.

Recommended Accessories

Dell Bluetooth Portable Speaker - AD211
Take your sound anywhere with a compact and portable wireless speaker that features a long-lasting rechargeable battery, Bluetooth 4.0 and NFC technologies.

Dell 22" Touch Monitor - S2240T
Amazing 10-point touch, Full HD with 1920 X 1080 (max) resolution and ergonomic stand make accessing touch apps natural and intuitive when used with Windows 8 or 10.

Dell Wireless Keyboard & Mouse Combo (black) – KM636
Sleek and stylish wireless keyboard and mouse combo with compact keyboard and comfortable optical mouse.

*Only the 3250 model will be available in the U.S. starting in January CY16.

NEW Vostro Small Desktop (Intel®) (3650)*

Compact design delivering reliable desktop performance for small business.

Key features	Why it matters
Brand new design with up to 45% space savings from previous generation	New mini-tower design with ~45% space savings from previous generation without compromising performance and reliability. Revolutionary design with easily removable cover simplify hardware upgrade and enhance system serviceability. Organized placement of I/O ports to ensure easy access to most used connectivity features. Redesigned venting improves system airflow plus an ultra-fine filter reduces dust accumulation for reliable performance.
Latest Intel® Celeron dual core processor up to Intel® Core i7 processors	Fast processing power and performance help you get more done faster. Offers a range Intel processor options for different business budget and needs, easy to configure with plenty of expansion slots for future upgrade.
Intel® HD graphics with optional 2GB discrete graphics from NVidia/AMD	Provides a performance boost for faster multi-tasking with optional discrete graphics cards up to 2GB from NVIDIA or AMD Radeon.
240W PSU	Delivers plenty of PSU power to support high-performance graphics cards and expansion cards.
Up to 2TB of HDD capacity and 16GB system memory for massive data storage	Provides massive data storage for all your needs--up to 2TB HDD of storage capacity business data, with expandable options for up to a total of 6TB HDD on mini-tower.
Optional optical drive	Supports local data backup or file transfer.

Recommended Accessories

Dell Bluetooth Portable Speaker - AD211
Take your sound anywhere with a compact and portable wireless speaker that features a long-lasting rechargeable battery, Bluetooth 4.0 and NFC technologies.

Dell 22" Touch Monitor - S2240T
Amazing 10-point touch, Full HD with 1920 X 1080 (max) resolution and ergonomic stand make accessing touch apps natural and intuitive when used with Windows 8 or 10.

Dell Wireless Keyboard & Mouse Combo (black) – KM636
Sleek and stylish wireless keyboard and mouse combo with compact keyboard and comfortable optical mouse.

*Not available in the U.S.

Targeted EOL Q3 CY17

Vostro Desktop (AMD) (3905)

Revolutionary performance, scalable for your business

Key features	Why it matters
Latest AMD APU featuring up to A10 APJ with twelve compute cores (four CPU + eight GPU) with AMD Radeon HD graphics	AMD processors provide the best value and superior multi-tasking performance.
Optional 2GB discrete graphics from NVIDIA or AMD Radeon	Get a performance boost for faster multi-tasking.
Scalable with 4 PCI-Express slots	Provides scalable options for future upgrades.
Multiple graphics ports for up to four-display support — VGA, HDMI and optional DVI and DP	Supports multiple-monitor display which increases productivity enabling simultaneous use of multiple applications.
Massive storage capacity with support for up to 2TB HDD and 16GB system memory	Get massive data storage for all your needs–up to 2TB HDD of storage capacity--and 16GB system memory.
Front and back USB ports and optional media card reader (supports 19-in-1)	Easy file transfer with front and back USB ports and optional Media Card Reader (supports 19-in-1).
Legacy support — optional DVI, serial and parallel upsell cards	Support for legacy peripherals ensures maximum protection of your existing technology investments.

Recommended Accessories

Dell Bluetooth Portable Speaker - AD211
Take your sound anywhere with a compact and portable wireless speaker that features a long-lasting rechargeable battery, Bluetooth 4.0 and NFC technologies.

Dell 22" Touch Monitor - S2240T
Amazing 10-point touch, Full HD with 1920 X 1080 (max) resolution and ergonomic stand make accessing touch apps natural and intuitive when used with Windows 8 or 10.

Dell Wireless Keyboard & Mouse Combo (black) – KM636
Sleek and stylish wireless keyboard and mouse combo with compact keyboard and comfortable optical mouse.

Vostro Desktop (Intel®) (3900/3902/3900G – Mini Tower, 3800 – Small Tower)*

Essential desktop tower with proven reliability offering the latest technology and the right features for today and tomorrow's computing needs

Key features	Why it matters
Two chassis options: 3900/3902/3900G – Mini Tower, 3800 – Small Tower	Get flexibility from two form factors with configurations for business or home settings.
Up to Intel® Core i5 **Haswell** processors with Intel® GT2 graphics	Latest Intel® Haswell processors options deliver outstanding price performance for applications.
Up to 300W PSU	Ready for future upgrade – 300W PSU (MT) and 250W PSU (ST) provide ample support for expansion cards and graphics card upgrade.
Optional 1GB discrete graphics cards	Optional 1GB discrete graphics cards from NVIDIA or AMD for multi-tasking.
Multiple graphics ports support — VGA, HDMI and optional DVI and DP	Supports multiple monitor display which increases productivity enabling simultaneous use of multiple applications. Support for legacy peripherals–optional **PS2** i/o port and parallel/serial ports , VGA, DP, **DVI** video interface ensure maximum protection of your existing technology investments.
Up to 2TB HDD of storage capacity and **16GB system memory**	Get massive data storage for all your needs–up to 2TB HDD of storage capacity–and 16GB system memory.
Front and back USB ports, including two USB 3.0	Easy file transfer with front & back USB ports including two USB 3.0 as well as an optional 19-in-1 media card reader.

Recommended Accessories

Dell Bluetooth Portable Speaker - AD211
Take your sound anywhere with a compact and portable wireless speaker that features a long-lasting rechargeable battery, Bluetooth 4.0 and NFC technologies.

Dell 22" Touch Monitor - S2240T
Amazing 10-point touch, Full HD with 1920 X 1080 (max) resolution and ergonomic stand make accessing touch apps natural and intuitive when used with Windows 8 or 10.

Dell Wireless Keyboard & Mouse Combo (black) – KM636
Sleek and stylish wireless keyboard and mouse combo with compact keyboard and comfortable optical mouse.

*Only 3800/3900 available in the U.S.

Targeted EOL Q4 CY16

Vostro 20 3000 Series AIO (305x)*

The Vostro 3000 Series AIO delivers an outstanding value to customers with desktop-like performance powered by energy-efficient Intel® and AMD processors and leading edge graphics technology.

Key features	Why it matters
Improved space-saving design	Up to 49% thinner than previous generation (only 34.2mm) with optional wireless mouse and keyboard to keep your desktop clutter-free.
Latest AMD Carrizo-L and Intel® Braswell processor	Processors options deliver outstanding performance for applications.
19.5" HD+ 1600x900 WLED Display	Provides sharp visuals, even for analyzing spreadsheets. Snap four things together on the spacious 19.5" HD+ screen with Win 10 snap feature so you can multi-task clearly and things done faster.
Removable pedestal stand with VESA mount support	Detachable stand for desktop or wall mounting (wall mount accessories sold separately) provide flexibility of use in varying office settings.
Four USB ports and media card reader	Transferring files is easy with (2)USB 2.0, (2) USB 3.0, and 4-in-1 media card reader.
Built-in Wi-Fi and Gigabit Ethernet	Gigabit Ethernet and built-in, long-range Wi-Fi provide fast and stable connectivity.
HDMI out (AMD only)	Support dual-display options for visually demanding applications.
Up to 2GB discrete graphics option	Get a performance boost for faster multi-tasking with optional discrete graphics cards up to 2GB.
HDD up to 1TB of storage	Keep up with business data--up to 1TB HDD of storage capacity.
Up to 8GB DDR3 memory	Get top-notch performance for demanding applications so you can easily multitask and have enough data storage for business and personal use.

Recommended Accessories

Dell Wireless Keyboard & Mouse Combo (black) – KM636
Sleek and stylish wireless keyboard and mouse combo with compact keyboard and comfortable optical mouse.

Dell Wireless Keyboard & Mouse (White) – KM636
Use the included wired keyboard and mouse or upgrade to this sleek and stylish wireless keyboard and mouse combo with compact keyboard and comfortable optical mouse.

*Not available in the U.S.

Targeted EOL Q4 CY16

NEW Vostro 24 5000 Series AIO (5450)*

Vostro's desktop performance AIO with a 23.8" display & space-saving design for small businesses.

Launch date: November CY15

Key features	Why it matters
6th gen Intel® processors (up to Core™ i5) and 2GB of performance graphics from NVIDIA GeForce	Get the power of a desktop in an AIO with Intel processors up to 6th Gen Intel Core i5 and optional NVIDIA GeForce 930M performance graphics card with 2GB DDR3 discrete memory.
223.8" IPS display in FHD resolution	This generous 23.8" AIO has an IPS display in FHD resolution for the best front-of-screen experience.
Windows 10 snap feature	Stay focused with easy ways to snap apps into place and organize your screens for getting things done. Snap four apps together on the spacious 23.8" screen with Win 10 snap feature for a new way to multitask.
Thinner design and smaller footprint	Get the space-saving design you need with a bigger screen in a thinner and sleeker design (23.8" display with a 39.3mm panel vs. previous generation's 23" display with a 58.8mm panel).
Up to 1TB hard drive for all the business data	Get massive data storage--up to 1TB HDD of storage capacity.
Connectivity options and dual display support	Plenty of ports for transferring data and connecting accessories including 6 USB ports (two USB 3.0, 4 USB 2.0 ports), 4:1 media card reader and HDMI in/out for dual display support.
Integrated webcam with dual array mic, built-in performance speakers	Engage with your team or customers from anywhere with the tools for remote business conference capabilities.

Recommended Accessories

Dell Wireless Keyboard & Mouse Combo (black) – KM636
Sleek and stylish wireless keyboard and mouse combo with compact keyboard and comfortable optical mouse

Dell Wireless Keyboard & Mouse (White) – KM636
Use the included wired keyboard and mouse or upgrade to this sleek and stylish wireless keyboard and mouse combo with compact keyboard and comfortable optical mouse.

*Not available in the U.S.

Wyse endpoints and software

Cloud client-computing

Wyse Endpoint Portfolio

7000 series clients	5000 series clients	3000 series clients	1000 series clients
High Performance & Versatility	Mainstream Performance	Value & Flexibility	A new level of affordable computing for classrooms.
• For power users who demand the best performance and connectivity with a wide range of peripherals.	• For knowledge workers and power users with demanding virtual desktop applications.	• For task workers and knowledge workers running a broad variety of business applications.	• Designed to connect to and seamlessly support Windows Multipoint Server 2011/12.

Wyse endpoint product and customer awards

2014 Virtualization Review Reader's Choice Award:
- Wyse T10 – WINNER

Computerworld Honors Laureate WINNERS!:
- Silicon Valley Education Foundation
- Ministry of Foreign and Internal Trade and Telecommunications of Serbia

"Cloud Computing Excellence Award 2013
-Indiana University's Dell Wyse thin clients, WDM and Citrix XenApp

Redmond readers choice awards PLATINUM WINNERS!:
- Thin client devices
- 2015

Wyse endpoints and software

Ultimate security

Increased security and compliance – **Reduce risks** of data loss or theft by centralizing data storage in the data center. No data on thin/zero client
Single Sign-on for uninterrupted workflow – Users access all their applications with one time authentication on thin/zero client.
Security built around every user – thin / zero client multi-factor authentication, including contactless smart cards, virus immune end-points, provides simple and secure access to clinical data.

Anytime, anywhere access

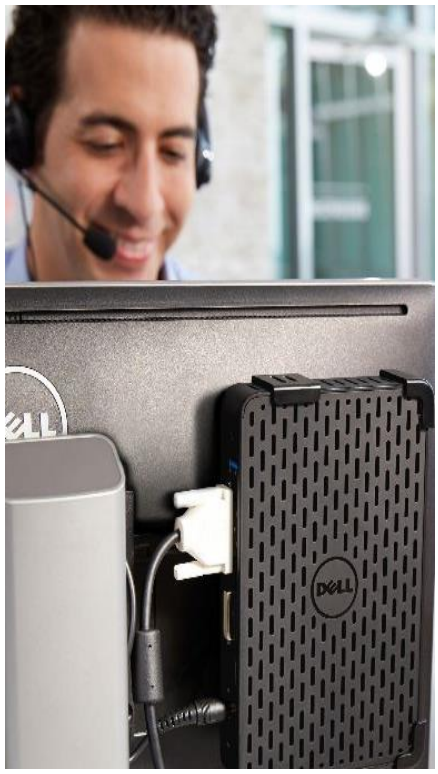
User data at your staff's fingertips – Grant users easy access to data and applications on any device located anywhere in your facility

Access the same desktop from any Device – Roam between devices while securely maintaining application states between moves. With location awareness, automatic printer redirection ensures peripheral collaboration

Mobility – Wireless end-points and low power consumption enable all day mobile workstations

Greater reliability

Maximized IT efficiency – Updates are completed in the data center and rolled out automatically to client devices at reboot, reducing IT desktop support costs and time to deploy new images, patches & upgrades.
Streamlined deployment – Dell tests all hardware, software and networking in our labs to help ensure optimal functionality and serves as your single point of contact through the entire process.
End-point longevity – thin/zero are stateless and eliminate device OS corruption. No moving parts provide 8+ year refresh cycle.



Dell has it. HP doesn't.

Most Secure

Enabling you to better protect vital content and provide more flexible end user access with confidence

	Dell	HP
15 partner-verified end to end reference architectures tested and certified by Dell	✓	✗
Virus and malware-immune thin client OS	✓	✗
Best-in-class security for Windows Embedded Standard (WES) and Linux thin clients	✓	✗

Most Manageable

Unique deployment and management features offer greater efficiency and control

	Dell	HP
On premise or off premise management console	✓	✗
Ubiquitous client management for all thin clients including (PCoIP / Teradici zero clients	✓	✗

Most Reliable

Consistent business-class performance that helps ensure your users stay productive

	Dell	HP
True end-to-end desktop virtualization solutions designed to provide an optimal performance/cost ratio	✓	✗
Scalable solutions certified to work with 50 virtual desktops to more than 50,000	✓	✗

Why Wyse endpoints?

- #1 in thin client sales worldwide 2014
- Over 250 patents awarded to the inventor of thin clients
- Most secure with the only virus-immune thin clients
- 7 second thin client boot time
- Lync / Skype for business integration - Unified communications / collaboration with WES and Linux
- Most manageable on premise or off premise: 1 console: thin clients, iOS, & Android devices
- Partner-verified end-to-end solutions enable easy deployment
- First to market leadership - dual core ARM, quad core x86, cost leadership

Dell - Internal Use - Confidential

Wyse endpoint portfolio

Currently shipping

7000 series endpoints

Wyse 7010 cloud desktop
Wyse 7010 thin client with ThinOS
Wyse 7010 thin client with Linux
Wyse 7010 thin client with WES7
Wyse 7010 thin client with WES7P
Wyse 7010 Extended Chassis thin client with WES7
Wyse 7020 cloud desktop
Wyse 7020 thin client with Linux
Wyse 7020 thin client with WES7
Wyse 7020 thin client with WES7P
Wyse 7020 thin client with WE8S
Wyse 7020 thin client with Win10 IoT
Wyse 7020 quad display thin client with Linux
Wyse 7020 quad display thin client with WES7P
Wyse 7030 zero client for VMware

5000 series endpoints

Wyse 5010 cloud desktop
Wyse 5010 zero client for Citrix
Wyse 5010 thin client with ThinOS
Wyse 5010 thin client with ThinOS and PCoIP
Wyse 5010 thin client with Linux
Wyse 5010 thin client with WES7
Wyse 5010 thin client with WES7P
Wyse 5010 thin client with WE8S
Wyse 5020 cloud desktop
Wyse 5020 thin client with Linux
Wyse 5020 thin client with WES7
Wyse 5020 thin client with WES7P
Wyse 5020 thin client with WE8S
Wyse 5020 thin client with Win10 IoT
Wyse 5030 PCoIP zero client for VMware
Wyse 5040 AIO thin client with ThinOS
Wyse 5040 AIO thin client with PCoIP
Wyse 5050 AIO PCoIP zero client for VMware

3000 series endpoints

Wyse 3010 zero client for Citrix
Wyse 3010 thin client with Linux
Wyse 3010 thin client with ThinOS
Wyse 3020 zero client for Citrix
Wyse 3020 thin client with ThinOS
Wyse 3030 thin client

1000 series endpoint

Wyse 1010 thin client for Microsoft Windows MultiPoint Server

Wyse 7000 series clients

For power users who demand the best performance and connectivity.

Dual Core AMD

- Ideal for knowledge workers and power users
- Best peripheral support via optional PCI 2.0 slot
- Windows Embedded, SUSE Linux, and Cloud Desktop configurations available

Quad Core AMD

- Ideal for power users with graphics intensive workloads
- Optional support for up to 6 displays
- Windows Embedded, SUSE Linux, and Cloud Desktop configurations available

Teradici for VMware Horizon 6

- Designed specifically for VMware Horizon 6
- Ideal for knowledge workers and power users
- High performance PCoIP protocol in hardware

Highlights	How we beat the competition
Dual and Quad Core	
More versatility	• Optional TCX software suite offers flash redirection, multimedia acceleration, USB virtualization, multi-display, & bidirectional sound • Connect up to 8 monitors through certified video cards • Optional integrated smart card reader
Scalable management options	• Management through enterprise-grade Wyse Device Manager (WDM) with real scalability • Wyse vWorkspace WSM on-demand streamed desktops option available for flexible and scalable architectures supporting high end workloads with local execution
More compact and secure	• Secure-boot and WCM support on WE8S in addition to a much richer user-experience • 10% smaller form factor
Teradici for VMware Horizon 6	
Designed specifically for VMware Horizon 6	• High performance PCoIP protocol in hardware • Ideal for graphics intensive workloads • Support for up to 4 displays

Wyse 5000 series clients

Powerful, compact, highly efficient dual and quad core thin client for knowledge workers.

Dual Core AMD

- Handles rich content creation, HD video, 3D graphics, and unified communications
- Ideal for knowledge workers
- AiO for customer facing environments
- ThinOS, Windows Embedded, SUSE Linux, and Cloud Desktop configurations available

Quad Core AMD

- Increased performance of quad core processor for more demanding tasks
- Ideal for knowledge workers and power users
- Windows Embedded, SUSE Linux, and Cloud Desktop configurations available

Teradici for VMware Horizon 6

- Designed specifically for VMware Horizon 6
- Ideal for knowledge workers and power users
- High performance PCoIP protocol in hardware

Dell - Internal Use - Confidential

Wyse 3000 series clients

Enterprise performance and flexibility, made affordable.

Single Core ARM

Most cost effective

Ideal for task workers

ThinOS and Ubuntu Linux configurations available

Dual Core ARM

Increased performance of dual core processor

Ideal for task and knowledge workers

ThinOS and zero client configurations available

Dual Core Intel

Dual core Intel offers enterprise level performance

Ideal for task and knowledge workers

Windows Embedded configuration available

Highlights	How we beat the competition
Single and Dual core ARM	
Better performance	• Wyse ARM thin clients have fast CPUs with multiple operating system offerings • Optional TCX software suite optimizes ICA & RDP featuring flash redirection, USB virtualization, multimedia acceleration, and multiple display support
Scalable management options	• Cloud-based management through Wyse Cloud Client Manager (CCM) • Management through enterprise-grade Wyse Device Manager (WDM) with real scalability
More Secure	• ThinOS has zero attack surface making it the only virus and malware immune thin client OS
Dual Core Intel	.
Better Performance	1.6 GHz dual core Celeron processor provides high performance in a small form factor Optional SFP port allows for high-speed fiber optic connectivity
More compact and efficient	Wyse Intel-based thin clients have a smaller footprint allowing it to fit almost anywhere Less than 6 watts of power consumption, a fraction of the power required to run full PC desktops
Management flexibility	Find a management tool that fits your needs: hands-off management, Wyse Device Manager (WDM), or Microsoft SCCM software

Wyse 1000 series zero clients for Microsoft Windows MultiPoint Server

Affordable computing for classrooms. Everywhere.

Dual Core AMD

- Ideal for education
- Easy to use
- Lower operational costs
- Compact and energy efficient

Highlights	How we beat the competition
Flexible options	• Works with standard protocols vs. NComputing proprietary protocol • Reusable thin clients as customers move from shared PC to VDI deployments
Endorsed by Microsoft	• 1000 series thin clients are designed and fully certified for Microsoft MultiPoint Server • Complete, partner-verified end-to-end solutions from the datacenter to the end user device
Compact and energy efficient	• Smallest footprint of comparable thin clients • Less than 3 watts of power consumption, a fraction of the power required to run full PC desktops
Ideal for classrooms and labs	• More secure than Linux firmware with no management software required • Upsell to 1002-E02 or 3000 Series for increased peripheral support

Wyse Device Manager

Powerful and secure thin client management from a single console.

.

Security

Enable IT to securely update and image clients remotely

Manage endpoints using fully encrypted, HTTPS-based transmissions

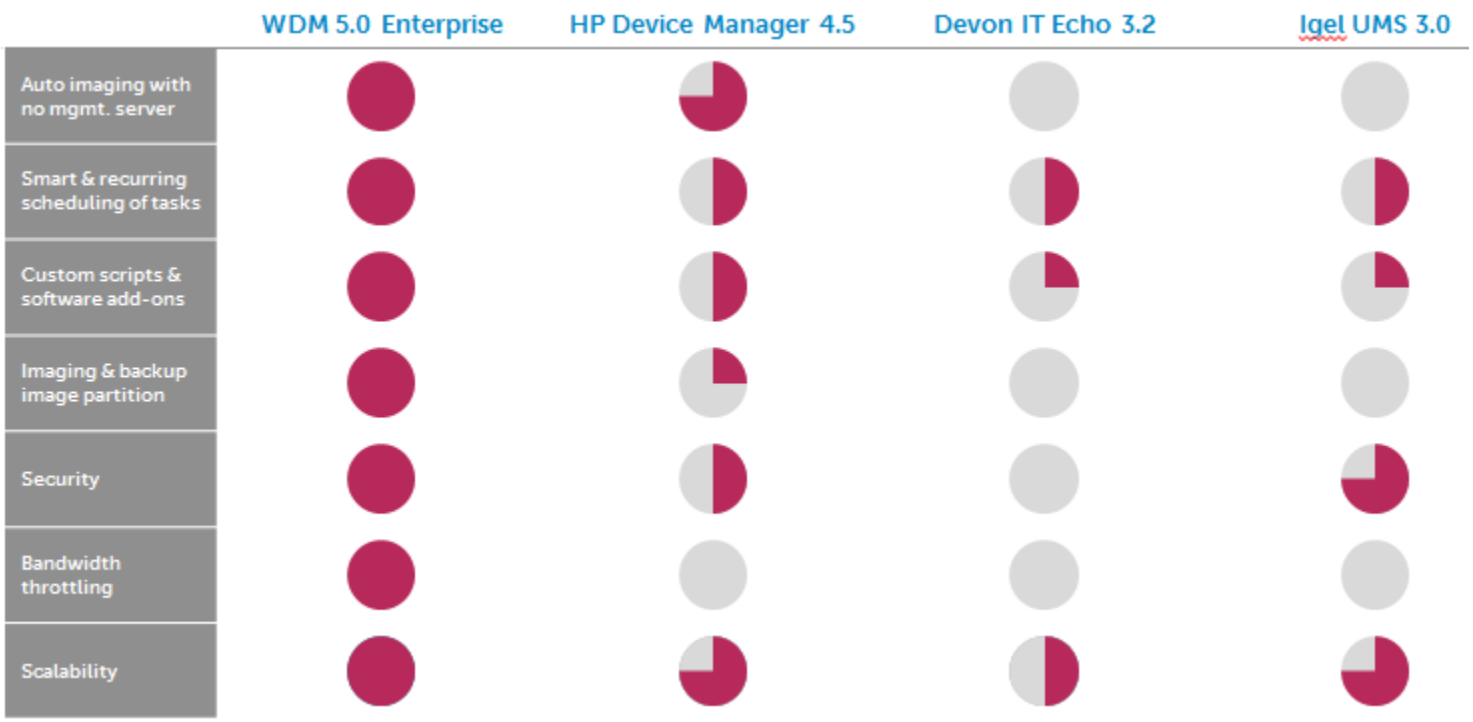
High Availability

Clustered database support and load balancer ensure maximum Wyse Device Manager uptime

Scalability

Supports all Wyse thin and zero clients

Manage any number of thin clients, from as few as one to tens of thousands from a single management server



Wyse Cloud Client Manager

Support consumer and company devices while protecting your data.

Real-time

Dynamic data feeds always present admins with most relevant insight to help expedite task at hand

Pro-active alerts notify admins about compliance violations and allow to automate future

TCO reduction

Cloud-hosted service eliminates costly on-premise servers and enables instant deployment and scaling as required

Provides instant and complete visibility into any managed asset to expedite issue identification and resolution

Simplicity

Streamlined and discoverable interface for natural and intuitive management in today's dynamic IT world

Management for all devices - smartphones, tablets, thin clients and zero clients; removes hassle of dealing with many consoles

Highlights	How we beat the competition
Asset Management & Visibility	• Monitor Wyse thin clients and iOS and Android user devices, track asset inventory, and enforce policy compliance • Enable a clear view of your inventory
App & Content Management	• Empower users with access to remote desktops as well as apps and content • Distribute and manage iOS and Android apps
Real-time Reporting & Analytics	• Provide new levels of insight into your mobile device inventory and establish single point of control • Identify individual user needs
User Self-Service Portal	• Enable user self-service provisioning • Reduce strain on IT resources by allowing users to manage their own devices within established policies

Dell - Internal Use - Confidential

Wyse Configuration Manager

Quickly and automatically configure your Windows Embedded thin clients.

Flexibility

Turn Windows Embedded thin clients into single-purpose devices

Create your own configuration files with the GUI or simply pull from a configured thin client

Scalability

Easily add new thin clients to networks of any size

Use FTP or web server to deploy configurations for up to thousands of endpoints

Minimize administration costs

Configure and deploy new thin clients in minutes saving valuable resources and time

Deliver new configurations without having to image or reboot clients across your entire organization

Highlights	How we beat the competition
Minimize administration costs	• free and easy to use tool for configuring Windows Embedded clients
Flexibility	• Use WCM standalone or integrated with WDM 5.0
Ease of provisioning and deployment	• Auto-configuration for Windows Embedded thin clients • Create a XML configuration file: WCM GUI Application/Export from thin client • Deploy it via a server when users login

Dell - Internal Use - Confidential

Wyse TCX suite

Wyse TCX removes the traditional limitations of virtual desktop environments and offers a full set of software solutions designed to enhance the user experience

Highlights	Features
Optimizes	• multimedia streaming to offer a smooth, full-screen, full-frame-rate experience
Connects	• USB devices such as headsets, webcams and printers
Improves	• flash video performance without requiring client-side Flash player
Supports	• multi-display by providing extra screen space users need to multitask effectively
Integrates	• seamlessly with Microsoft RDP, Citrix XenApp and Citrix XenDesktop
Relieves	• server CPUs with help from software that intelligently divides workloads

Ericom PowerTerm InterConnect

PowerTerm InterConnect terminal emulation provides fast and reliable access to data residing on the broadest range of hosts, such as: IBM Mainframe zSeries, IBM AS/400 iSeries, UNIX, OpenVMS, Tandem.

Highlights	Features
Seamless connectivity	• to the widest range of machine types and information systems
Secure access	• SSH, SSL, and Kerberos ensures your data is secure
Efficient	• boost productivity with customizable functions and concurrent sessions
Broad compatibility	• support for over 35 terminal emulation types
Simple installation	• less than 3MB in size and can be installed in minutes
Anywhere access	• connect to legacy applications from PCs, thin clients or mobile devices

Dell - Internal Use - Confidential

Purpose Built

Dell's 1:1 student computing portfolio

Student ready, school yard tough.

Designed for students

- **Adaptable form factors and features:** 10" tablets, 11" and 13" laptops
- **Full suite of learning applications:** Chrome, Android for Education and Windows
- **Versatile keyboards** with 180° LCD hinges on laptops and an attachable, reversible tablet

Built for the school yard

- **Durable construction and materials** tested to withstand drops, bumps and spills
- Corning® Concore Glass and Gorilla® Glass NBT™ displays for **added durability**
- **Complete selection of accessories** recommended to enhance learning and protect your device

Enabling anywhere, anytime learning

- **Always connected** with 802.11 2x2 Wi-Fi for faster speeds & more capacity, Bluetooth and options with NFC & Mobile Broadband
- **Access to legacy and new learning tools** with USB and a variety of port options
- **Dependable performance and a long battery life** with Intel® processors

Meet Dell's student computing portfolio

Student ready, school yard tough.

Latitude 13 Education Series

Meet the needs of any student computing program

13.3" Laptop

Latitude 11 Education Series

For any K-12 grade student computing program

11.6" Laptop

Venue 10 Pro

Anytime learning in a 10.1" Windows tablet design

10.1" Tablet

Venue 10

Anytime learning in a 10.1" Android tablet design

10.1" Tablet

Chromebook 11

For the classroom and the backpack with best in class durability

11.6" Laptop

Windows with Microsoft productivity tools	Android certified for Google Play for Education	Chrome with Google Apps

Recommended accessories for Education

Dell Mobile Computing Cart

Managed and Unmanaged

Charge, update (managed version) and secure your 1:1 devices. Holds up to 30 tablets or laptops. Optional upgrade kits for Latitude Education Series laptops and Chromebooks allow slide and dock ease without manually plugging in your device.

Dell Projectors

Complete portfolio to meet your needs

Engage audiences with excellent image quality, and connectivity options. Choose Dell Interactive Projectors to collaborate easily and minimize distractions with short-throw capabilities.

Security

Protective sleeves, cases & backpacks

Locks

Productivity tools

Dell Monitors for expanded viewing from the world's #1 monitor manufacturer

Dells Printers for sharing digital documents and printing when you need; with 3rd-party 3D options

Dell Attachable, Reversible, Keyboard for Venue 10 & 10 Pro for 5 positions in 1 device

Dell Active Stylus for Venue 10 & 10 Pro for a pen and paper experience on your tablet

Dell Rotating Folio for Venue 10 & 10 Pro for an easy viewing experience

Dell IE600 Wired In-Ear Headset for personal listening anywhere

Innovative Technologies

Windows 10

Microsoft Windows 10

DELL MESSAGE: Let Dell help you migrate to take advantage of new Windows 10 features that will keep you more productive and your business more secure.

Windows Migration

Windows 10 is a chance to enhance the **OS deployment capability** of your department to fully embrace end-user enabled deployments while establishing a **robust application store**.

Better Protection

Data is your most valuable asset. Get advanced security protection for modern threats with Dell Data Protection (DDP) solutions, Windows 10 and the latest Intel processors, offering comprehensive **encryption**, advanced **authentication** and leading-edge **malware prevention**.

User Experience

Windows 10 provides **increased productivity** by scaling across devices and offering a **familiar interface** for Windows 7 users. The benefits in **multi-tasking** from the improved fundamentals of Windows 10 paired with a new Dell PC and the added performance of the new Intel hardware are dramatic.

Dell + Win10 Feature Alignment

Features	Windows Messaging	Dell + Win10 Message
Cortana	Your truly personal digital assistant, always there for you	Dell premium audio features, including Studio-quality voice enhancement with MaxxAudio® by Waves, makes it easy and reliable to interact with your personal virtual assistant on the go or in the office.
Microsoft Hello (NUI Unlock)	Yes, the world really does revolved around you	Dell systems equipped with the 3D Real Sense camera delivers the fastest and most reliable login and gives you easy and secure management of your passwords and personal information.
Continuum	The best screen is always the one you're on	Award-winning Dell 2-in-1 devices and tablets offer a seamless transition between optimized tablet and desktop software modes; making multi-tasking easy.
It just works	Fast, smooth, more secure and friendly	Your Dell system is fast, reliable and easy to use with best-in-class hardware and Dell ProSupport Plus. And now, with the new Windows 10, it's also the familiar interface that you love combined with future-ready features.
Microsoft Edge (Browser)	Fast, clean browser with a great annotation and pen experience	Dell delivers a great pen experience with accuracy, natural feel and great apps to be more productive as you are using this new, fast, clean browser that comes with Windows 10.

Windows 10 Upgrade Offer Details

What you need to know:
Sales Teams, Microsoft's free upgrade to Windows 10 Offer is for qualified Windows 7 SP1, Windows 8.1, and Windows Phone 8.1 devices (including devices you already own) that are upgraded within one year of Windows 10 release to web.

Target Audience
- The Windows 10 Upgrade Offer is targeted at owners of Windows 7 SP1 and Windows 8.1 Update devices including Students, Home Users, Small Business, and Enthusiasts.
  - *Customers who own devices with earlier versions of Windows, Enterprise editions of Windows, and versions of Windows RT are not target audiences.*

Eligibility
- PCs running with non-Enterprise editions of Windows 7 SP1 and Windows 8.1 Update that have been tested to be able to upgrade to Windows 10.
- Windows 7 (original release), Windows 8, and Windows 8.1 (original release) must first be updated to Windows 7 SP1 or
- Window 8.1 Update and tested to be able to upgrade to Windows 10. These updates are available for free from Windows Update
- Offer must be redeemed within one year of Windows 10 release to web (the day the upgrade is released to consumers via Windows Update).
- Redemption happens by installing the upgrade via the Windows Update control panel or by tech bench.
- Windows 7 devices must have SP1 installed and Windows 8 and Windows 8.1 devices must have Windows 8.1 Update installed.
  - Windows 7 Enterprise, Windows 8/8.1 Enterprise, and Windows RT/RT 8.1 are excluded from the offer.
- Not all Windows 10 features will be available for use on all qualifying devices.
  - Additional hardware and software requirements apply and will be further communicated.
- Devices must be connected to the Internet and have Windows Update enabled. ISP fees may apply.

Availability
- The offer will be available in all markets where Windows is commercially available and Windows Update is enabled for one year after general availability.
- It will be translated to 39 languages, with an additional 72 Language Interface Packs available to download.

* Pre-release product shown, subject to change. Apps sold separately. Windows 10 Upgrade Offer valid for qualified Windows 7 and Windows 8.1 devices (including devices you already own) for one year after Windows 10 upgrade availability. Visit windows.com/windows10upgrade for more details. Note: Free refers to the cost of the Windows 10 upgrade; ancillary charges and fees may apply

Docking

Proven leader in docking

Dell is the only OEM to deliver its end users a consistent, common E-family docking solution for a 10 year long lifecycle across Latitude and Precision products.

While the modern workforce is becoming exponentially more mobile and work is being done in a variety of different environments, most employees are still doing some portion of their work at-the-desk where docking and larger displays are critical to multi-tasking and content creation.

Through extensive research, here's what our customers are telling us:

- Strong desire for **thinner, lighter** devices w/o compromise to productivity
- **Common docking** that can be supported across all form factors and devices – Dell or non-Dell
- **Less cables and wires** allowing for docking anywhere whether at a fixed desktop or hot desk/hotel cube

Dell wireless dock

Dell's new wireless docking solution is available now for Latitude laptops, Ultrabooks™ and 2-in-1's with 5th generation Intel® Core™ vPro™ processors enabled with Intel® Tri-Band Wireless-AC 17265 for a desktop free of wires.

- **Seamless wireless docking** - powering up to two external displays, keyboard, mouse, audio and other peripherals.
- **Convenient connections -** with two USB ports in front and three USB ports in back, the dock unites everything conveniently in one place for your wireless desktop.
- **WI Gig high speed -** communicate wirelessly at multi-gigabit speeds—higher speeds than some of the fastest Wi-Fi networks.
- **Secure communication** - files are protected with data encryption and strong authentication protocols IEEE802.11 and current WLAN technologies.

Dell Wireless Dock Technical Specifications

Product Specifications:	Dell Wireless Dock- WLD15
Model Number	Dell Wireless Docking Station (WLD15)
Wireless Standards	WiGig 1.1 / IEEE 802.11ad
System Wireless Card Requirements	Intel® Tri-Band Wireless-AC 17265 WiGig + WLAN + BT4.0LE Wireless Card
Frequency	60 GHz
# Displays Supported	2
Video Ports	(1) VGA, (1) mini Display Port and (1) HDMI
Input Ports	(2) USB 2.0, (3) USB 3.0
Audio/Headphone	(1) Audio Jack (Mix in/out via combo jack - front), (1) speaker output
Network	Gigabit Ethernet
LED Indicators	Link status and WPS pairing
Power Supply	19.5V/3.34A (65W)
Dimensions	120 x 120 x 70 mm
Weight	363g
System Requirements	PCs equipped with Intel WiGig antenna and Intel WiGig Module (Intel® Tri-Band Wireless-AC 17265 WiGig + WLAN + BT4.0LE Wireless Card) supporting WBE protocol
Operating Systems	Microsoft® Windows® 7, Microsoft® Windows® 8; 8.1, 10
Max WiGig Connection to PC	One
Warranty	If purchased as a tied laptop accessory, the Dell Wireless Docking Station will share the system warranty which can be: Limited Hardware Warranty 1: Standard 3-year advanced exchange after Remote Diagnosis. If purchased separately, product warranty will be: Limited Hardware Warranty 1: Standard 1-year advanced exchange after Remote Diagnosis

Embracing USB Type-C for next gen docking

What's happening?

- **Starting in January of 2016, Dell will begin offering the next generation of USB Type-C cable docking that utilizes two technologies and capabilities:**
  - DisplayPort™ over USB Type C: Single cable for audio, video, data & power (up to 130w)*
  - Intel® Thunderbolt™ 3: Single cable for audio, multiple 4K video support, faster data transfer (up to 40 Gbps) & power (up to 130w)*

Customer benefits:

- Cable docking **allows us to further innovate and create even thinner and lighter** laptops, tablets, and workstations
- Provides one **common docking** experience across Dell or non-Dell platforms with USB-C port(s) having data, video, and power capabilities.
- Offers customers a **better user experience** by freeing up space and allows for docking anywhere on the desk.
- Simplifies cabling with **one single cable** to provide power, Ethernet, audio, USB and video (up to 130W power) enables users to quickly and easily connect.

Ideal use cases & benefits

- **Desk Workers:** End users in all sizes of businesses with a variety of compatible systems, both Dell and non-Dell, can quickly and easily connect their laptops and tablets to the Dell Dock, enabling fast, efficient connectivity to multiple displays and essential peripherals through one convenient cable.

- **Hotel Cubes and Hot Desks:** In offices with shared spaces, the Dell Dock is an ideal solution, allowing IT decision makers to outfit their hotel cubes and hot desks with the Dell Dock, allowing for 1 easy purchasing decision across all compatible systems. The small size is also ideal, creating more desk space with the ability to easily connect systems to displays and peripherals. Compatible non-Dell systems are also easily connect to the Dell Dock.

- **Conference Room Collaboration:** Users can easily take their laptop or tablet from their desk to the conference room and connect to the Dell Dock, quickly connecting their system to shared resources such as a conference room display or projector.

- **Power Users:** The Dell Thunderbolt™ Dock is the ultimate docking solution, designed for power users and traditional workstation clients, creating the ability to connect three FHD displays or two 4K displays at 60Hz. Data transfers up to 40 Gbps allow lighting-fast transfers of larger files such as video editing files.

Meet the Dell Dock

The Dell Dock allows users to quickly connect their laptop or tablet to a single data and power source with a single cable allowing for an easy, reliable connection from laptops and tablets to displays and peripherals.

Key Features:

- Common docking experience across platforms with USB Type-C port(s) having data, video, and power capabilities.
- Supporting compatible non-Dell systems
- Single cable for audio, video, data & power (up to 130w)*
- Supports dual FHD displays
- Small footprint

**excludes Precision 7510/7710 – power adapter is also required for charging*

Dell Dock Features

Back View

Front/Right View

1. HDMI
2. mDP
3. VGA
4. RJ-45 with LEDs
5. USB 2.0 (2x)
6. USB 3.0
7. Speaker Out
8. 7.4mm DC-IN Power Input

9. Dell Docking Station Connector
10. Global Headset Jack
11. USB 3.0 w/PowerShare
12. USB 3.0
13. Power Adapter LED
14. Dock Button
15. Kensington Lock Slot

Meet the Dell Thunderbolt™ Dock

The Dell Thunderbolt™ Dock with Intel® Thunderbolt 3 technology allows power users to quickly connect their mobile workstation to a single data and power source and allows for ultimate display performance (Up to two 4K displays) and faster data transfers (up to 40 Gbps).

Key Features:

- Supports up to three FHD displays or two 4K displays @60 Hz
- Supports faster data transfer of up to 40 Gbps, ideal for large files
- Common docking experience across platforms with USB Type-C port(s) having data, video, and power capabilities.
- Single cable for power and data (up to 130w)*

**excludes Precision 7510/7710 – power adapter is also required for charging*

Dell Thunderbolt Dock Features

Back View

1. HDMI
2. VGA
3. mDP
4. Full Size DP
5. RJ-45 with LEDs
6. USB 2.0 (2x)
7. USB 3.0
8. Thunderbolt 3 (USB-C)
9. 7.4mm DC-IN Power Input
10. Speaker Out

Front/Right View

11. Dell Docking Station Connector
12. Global Headset Jack
13. USB 3.0 w/PowerShare
14. USB 3.0
15. Power Adapter LED
16. Dock Button
17. Kensington Lock Slot

2015-2016 Next gen product compatibility

Dell Dock	Dell Thunderbolt™ Dock
Latitude 15 5000 Series (E5570 w/H series processors)	Latitude 5000 Series (E5570 w/H series processors)
Latitude 11 5000 Series 2-n-1 (5175/5179)	Latitude 13 7000 Series (7370)
Latitude 13 7000 Series (7370)	Latitude 12 7000 Series 2-in-1 (7275)
Latitude 12 7000 Series 2-in-1 (7275)	Precision 3510 (i5 processors only support E-Dock; i7/Xeon support E-Dock & Type-C)
Precision 3510 (i5 processors only support E-Dock; i7/Xeon support E-Dock & Type-C)	Precision 5510 Mobile Workstation
Precision 5510 Mobile Workstation	Precision 7510 and 7710 Mobile Workstations
Precision 7510 and 7710 Mobile Workstations	XPS 13, XPS 15 and XPS 12 Detachable
Venue Pro 8, 10	
XPS 13, XPS 15 and XPS 12 Detachable	

Compatibility Matrix

		Docking Support (2016)				
	Platform	Dell Tablet Dock	Dell E-Dock	Dell Wireless Dock	Dell Dock	Dell TBT Dock
Latitude	Latitude 13 7000 Series	x	x	√ (w/Tri-band wireless)	√	√
	Latitude 13 7000 Series 2-n-1	√	x	x	x	x
	Latitude 12 7000 Series 2-n-1	x	x	x	√	√
	Latitude 12/14 7000 Series	x	√	√ (w/Tri-band wireless)	x	x
	Latitude 15 5000 Series	x	√	√ (w/Tri-band wireless)	√ (15H)	√ (15H)
	Latitude 11 5000 Series 2-n-1	√	x	x	√	x
Precision	Precision 15 3000 Series	x	√	x	√	√
	Precision 15 5000 Series	x	x	x	√	√
	Precision 15 7000 Series	x	√	x	√	√
	Precision 17 7000 Series	x	√	x	√	√
Venue	Venue 10 Pro	x	x	x	√	x
	Venue 8 Pro	x	x	x	√	x
XPS	XPS 12	x	x	x	√	√
	XPS 15	x	x	x	√	√
	XPS 13	x	x	x	√	√

*E-Dock EOL 12/2018. All platforms will have transitioned to Dock Port over USB Type-C by E-Dock EOL.

**Precision 3510 (i5 processors only support E-Dock; i7/Xeon support E-Dock & Type-C)

Future State Docking Availability

		2015-16			2017-18			2019 & Futures		
LOB	Platform	E-Dock	Dell Dock	Dell Thunderbolt Dock	E-Dock	Dell Dock	Dell Thunderbolt Dock	E-Dock	Dell Dock	Dell Thunderbolt Dock
Latitude	Latitude 5000 Series 2-n-1									
	Latitude 5000 Series		15H	15H						
	Latitude 7000 Series 2-n-1									
	Latitude 7000 Series									
Precision	Precision 3000 Series									
	Precision 5000 Series									
	Precision 7000 Series									
Venue	Venue 8 Pro			*			*			*
	Venue 10 Pro			*			*			*
XPS	XPS 12									
	XPS 13									
	XPS 15									
	*No function from rear Type-C Thunderbolt port when Venue (non-TBT) is paired with the Dell Thunderbolt Dock									
	**Notebooks and Tablets must offer Thunderbolt in the system in order for Thunderbolt to be supported on the Dell Thunderbolt Dock									

Resolution Support Table

	E-Dock (SPR & APR)			Dell Wireless Dock		Dell Dock		Dell Thunderbolt Dock		Dell Thunderbolt Dock (PMWS - CY17)	
Resolutions	SPR # Displays	APR # Displays	Refresh Rate	# Displays	Refresh Rate	# Displays	Refresh Rate	# Displays	Refresh Rate	# Displays	Refresh Rate
1920 x 1080	3	3	60 Hz	2	60 Hz	3*	60 Hz	3	60 Hz	3, 5	60 Hz
1920 x 1200	3	3	60 Hz	2	60 Hz	3*	60 Hz	3	60 Hz	3, 5	60 Hz
2048 x 1536	2	3	60 Hz	1	60 Hz	1	60 Hz	3	60 Hz	3, 4 + VGA	60 Hz
2560 x 1080	1	2	60 Hz	1	60 Hz	1	60 Hz	3	60 Hz	3, 4 + VGA	60 Hz
2560 x 1440	1	2	60 Hz	1	60 Hz	1	60 Hz	3	60 Hz	3, 4 + VGA	60 Hz
2560 x 1600	1	2	60 Hz	1	60 Hz	1	60 Hz	3	60 Hz	3, 4 + VGA	60 Hz
3440 x 1440	1	2	60 Hz	-	-	1	30 Hz	2	60 Hz	3, 4 + VGA	60 Hz
3840 x 2160	1	2	60 Hz	-	-	1	30 Hz	2	60 Hz	3	60 Hz
5120 x 2880	-	1 (PMWS only)	60 Hz	-	-	-	-	1	60 Hz	1	60 Hz

Notes:

* If the 3rd display is connected with the VGA port and the image will be in clone mode vs. Extended Desktop.

Maximum resolution that can be supported with VGA is 2048 x 1536 @ 60 Hz

Starting with Kaby Lake/Cannon Lake, PMWS can support up to 5 displays when connected to the Dell Thunderbolt™ Dock, with the following caveats:

- 1st number = standard PMWS with standard OS limitations and no unique discrete graphics card can only support up to 3 displays
- 2nd number = PMWS uses combination of Intel integrated graphics plus discrete graphics to support up to 4 or 5 displays
- For high resolution modes between 2560 x 1600 and 3440 x 1440, VGA will output 1920 x 1200 @ 60 Hz, while the other ports can support higher resolutions

(*) 2048x1152

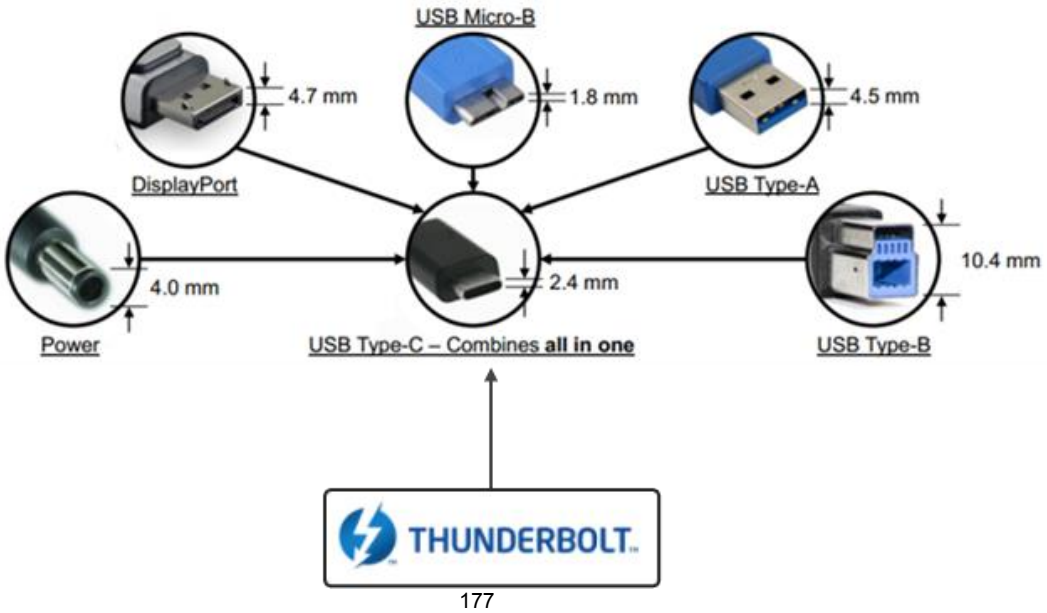
(*) Support 3x Display simultaneously. 1x 3840x2160/30Hz & 2x 2048x1152/60Hz

Dell Dock & Dell Thunderbolt™ Dock vs. Non-Dell

Features	Benefits	Dell	Non-Dell
Power > 60W	Single cable for data and power up to 130W	130W	60W
Wake on Dock Button	Ability to power on or wake NB/Tablet using the dock button	√	X
Pre-OS Support	Ability to use notebook or tablet without system login in a pre-boot environment	√	X
Port Disablement	Allows IT managers to turn off ports in the dock for securing confidential information	√	X
Run Time MAC Address Overwrite	Bypass the docking MAC address so IT professionals can identify the user by the NB/Tablet MAC address and not the common MAC address in the docking stations	√	X
Dock FW Updates	Ability to receive future feature enhancements or fixes from Dell	√	X
Error Messages and Dock Event Notifications	Users will be notified when an insufficient power adapter or cable is paired with the dock and advised to use the recommended accessory. Notifications of FW updates and port disablement. Examples include Wake on LAN and LAN Cable detect.	√	X
Power Supply	Charging supported by Dell Adapter – 3rd party system charging support will vary	√	Varies based on 3rd party Support

USB Type-C Overview

- **Type C is a new type of connector**
  - New form factor that can replace any port on your system
  - Can support USB, DP, Thunderbolt, and power all over a single cable
    - Port capabilities depend on electronics behind port, and in cable
    - Devices require matching cable:
      - Non-TBT dock requires a non-TBT or universal cable when paired with Non-TBT or TBT device
      - TBT dock requires a universal or non-TBT cable when paired with non-TBT device.
      - TBT dock requires a universal or TBT cable when paired with a TBT device.
    - Reversible plug orientation and cable direction
  - Cable functionality must match port functionality
- **Type C ports will live alongside existing Type A and Type B ports**
  - There will remain an installed base of Type A/Type B USB devices
- **Type C potential confusions**
  - Type C ≠ Thunderbolt 3; the port could be USB, DP, and/or power
    - For Precision, Type C = Thunderbolt
    - For Latitude Sky Lake, Type C = Thunderbolt
    - For Latitude Tablets, Type C = DisplayPort over USB-C
    - For XPS, Type C = Thunderbolt
    - May change in future generations
  - Type C ≠ USB3.1, the port could be USB3 or even USB2
  - Type C ≠ USB Power Delivery; the port has to have the power capabilities to support power delivery



Industry Standards About USB Type-C*

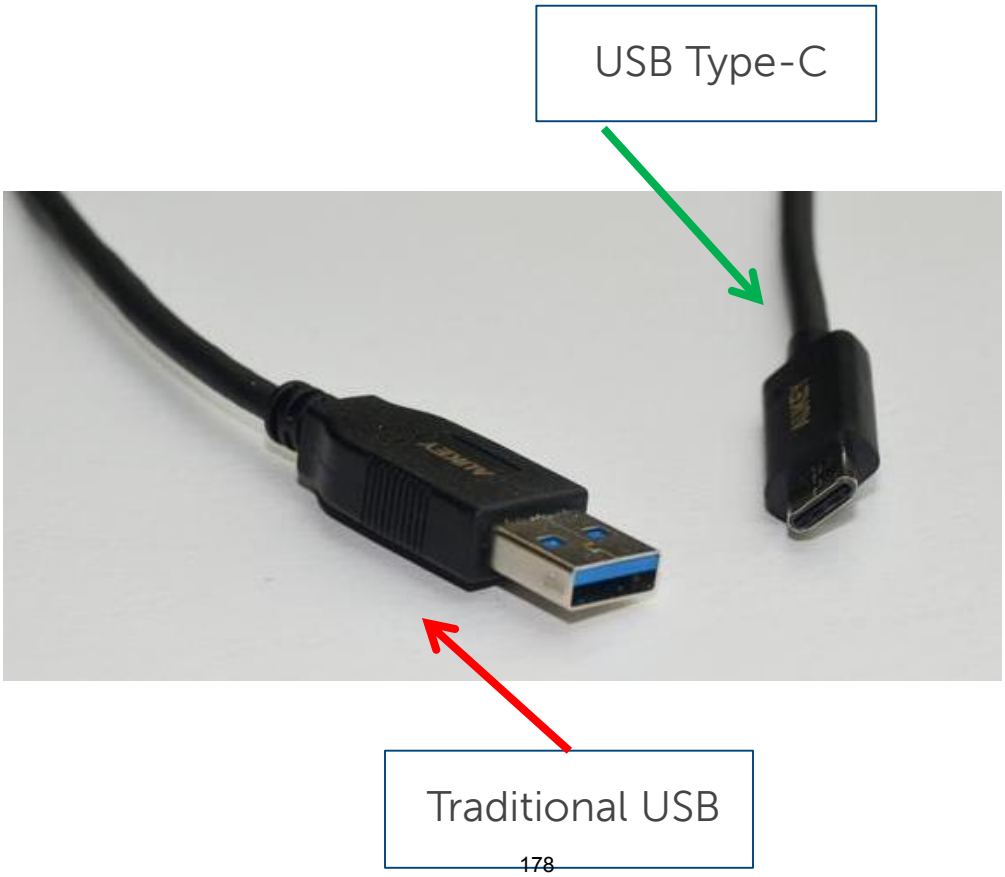
- Robust connector strong enough for laptops, tablets and larger platforms
- Reversible plug orientation and cable direction: Will not matter which end of the cable or which side of the connector you plug in
- Supports scalable power and performance to help future-proof your solution
- Slim form factor to support evolving design trends
- Addresses the elements required to implement and support USB Type-C™ receptacles, plugs and cables
- Enables new and exciting host and device form-factors where size, industrial design and style are important parameters

USB Type-C Technology IS NOT:
USB Type-C™ is not USB 3.1

- The USB Type-C™ cable and connector specification is a supplement to the USB 3.1 specification, however USB Type-C™ is not USB 3.1.

USB Type-C™ is not USB Power Delivery

- USB Power Delivery is a protocol/hardware solution that increases USB power capabilities up to 100W.
- **If a product features USB Type-C™ it does not necessarily support USB Power Delivery and/or USB 3.1**



Storage

Storage types

Hard Disk Drives (HDDs)

- Refer to mechanical drives with internal, spinning discs that store data. They come in a variety of difference capacities (i.e. 500GB, 1TB), sizes (3.5", 2.5") and speeds (5400RPM, 7200RPM, 10k RPM, 15k RPM)

Hybrid Drives or Solid-State Hybrid Drives (SSHD)

- Drives that are identical to standard spinning HDDs, but include a small amount of flash "Cache" storage (usually 8GB in size) in addition to the main storage (500GB or 1TB) to assist in "caching".
- The increased caching can boost performance in lighter workloads by storing files accessed repetitively (i.e. boot files, outlook files, etc.) on the small flash portion of the drive

Solid-State Drives (SSDs)

- Refer to non-mechanical storage devices using similar techniques to storing data as RAM devices, but in a non-volatile, permanent method that won't lose data upon power-loss or shut down.
- Far superior in performance to HDDs and even SSHDs, but at an increase in cost.
- Because SSDs do not have moving parts, they withstand drops and other rugged activities significantly better than any HDD or SSHD

Storage sizes

3.5" HDD (7200RPM Spinning Drives)

- The absolute cheapest $/GB internal storage solution available typically found only in Desktops, Workstations and Server applications
- High-caps, up to 4TB, available in EUC

2.5" HDD (5400RPM, 7200RPM & Hybrid SATA Drives)

- Typically found in Notebooks, but can be in applications above
- Higher shock ratings vs 3.5" HDD with capacities up to 1TB & SED in EUC, and typically 7mm or 9.5mm thick

2.5" Solid State Drives (SSD) in SATA and SATA Express (coming soon)

- Typically found in Notebooks, but can be in applications above
- Capacities up to 512GB in EUC with the same dimensions as 2.5" HDD, but only 7mm thick

mSATA Solid State Drives (SSD) in SATA

- Typically found in Ultrabooks/2-1, but can be in applications above
- Capacities up to 1TB, SED & Dual-drive configurations in EUC
- Same performance as 2.5", but with lower power rating

M.2 (aka NGFF) Solid State Drives (SSD) in SATA & PCIe (coming soon)

- Typically found in Ultrabooks/2-1, but can be in applications above
- Capacities up to 1TB, SED & Dual-drive configurations in EUC

SATA 3 is the interface used by most of our options today, but SSDs are transitioning to a new superfast PCIe interface

SATA 3

- Used by all our HDDs, Hybrids and SSDs today
- Performance (throughput) maxes out at around 500MB/s, though HDDs/Hybrid never come close to max (both hybrid and standard spinning HDDs max around 100MB/s)

PCIe

- Will be offered by M.2 2280 SSDs only, as current SATA SSDs have reached their interface limitations
- Mainstream offerings next year will primarily offer x2 (2 lane) offering up to 800MB/s, per lane (up to 1600MB/s total throughput)
- Premium offerings will offer x4 (4 lanes), offering up to 800MB/s, per lane (up to 3200MB/s total throughput)

SATA Express (2.5" PCIe x2)

- Will be offered by SSDs only, as current SATA SSDs have reached their interface limitations
- The 2.5" SATA Express SSDs will use the same connector as SATA HDDs in next-gen platforms
- SATA Express is PCIe x2 (2 lane), offering up to 800MB/s, per lane (up to 1600MB/s total throughput)

Need a more secure solution?

- Self-Encrypted Drives (aka SED or FDE, Full-Disk Encryption) are available in HDDs, SSHDs & SSDs
- Our SEDs are TCG OPAL 2.0 certified (the industry standard for hardware encryption)
- Our HDD (traditional "Spinning" drives") & SSHD (hybrid HDD) SEDs are also FIPS 140-2, Level 2 certified (the US Government "stamp of approval" for hardware encryption)
- Our SSD (Solid-State Drive) SEDs are not FIPS certified
- FIPS 140-2, Level 2 adds physical tamper-detecting labels on the drive, but not additional levels of encryption or data security
- With our OPAL SEDs all data is encrypted (including data in cache) via the onboard encryption engine, prior to data being stored

Client BIOS – Data Wipe Support

Summary: CY15 platforms with internal Dell BIOS will support a user-initiated data wipe feature to wipe all internal drives directly from BIOS setup

Feature Highlights:

- Supports internal storage devices directly connected to the motherboard, eMMC, and NVMe drive technologies using technology-specific wipe mechanisms
- Uses industry standard (NIST SP800-88) approved methods for data wipe, e.g. Secure Erase for SATA
- All connected and supported drives are wiped with one user operation after reboot from BIOS setup

Data Wipe Platform Support – CY15: Beaver Creek, Bluefin, Berlinetta, Bold Peak 2, Cod, Dino 2, Farallon, Goodyear SKL, Jayton, Loveland SKL, Miramar, Park City, Swordfish, Triggerfish, Whitefish

Latitude Battery Technology

Battery Overview

1 Power through the day with **Runtime** to spare- All day battery life

3 **Enhanced access** to power "Any source"

- Next gen small adaptors
- Power Companion
- Powerport IP

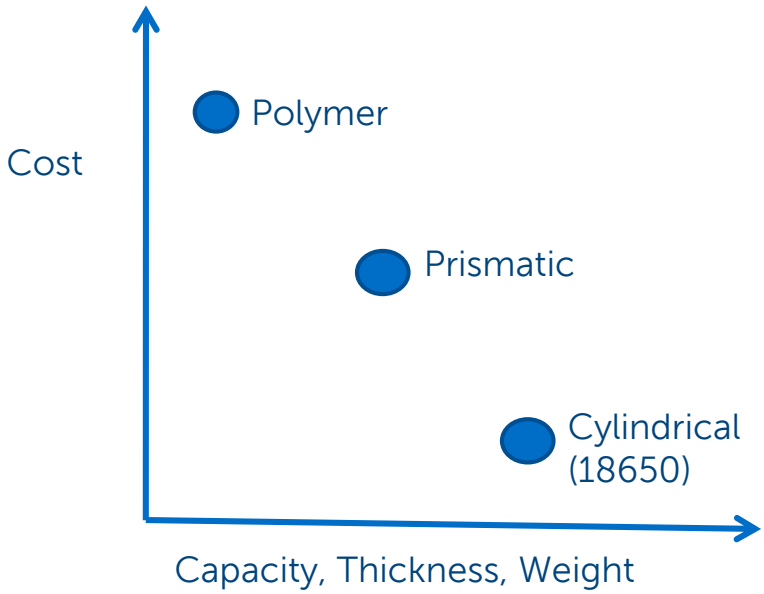
2 Optimized Battery **Performance**

Life span, smart battery management, and fast charging

Battery Types

- **Lithium Ion**
  - Remains the battery type used in notebook PCs
  - Size & Shape are only difference between cylindrical, polymer, and prismatic
- **Silver-based**
  - Higher capacity, higher weight, lower life expectancy
  - Technology early in development – expect samples this year for testing
- **Fuel Cells**
  - Technology very early in development – years from practical use internal to the notebook
- **Solar Cells**
  - Requires large collection area and high intensity light
  - Not practical for internal notebook use at this time

Battery Packaging Types



Latitude Battery Technology Transition

- **What's happening:** Latitude 5000 and 7000 Series laptops have transitioned from standard size of 18650s (cylindrical) to variable sizes of prismatic and polymer batteries

18650s Standard size battery	vs.	Prismatic & polymer battery w/variable shapes & sizes
Used on previous generations of Latitude laptops		Used starting with current gen (E5x50/E7x50) and future generation 5000 & 7000 Series Latitude to best fit and utilize the chassis space
A majority of batteries used the standard 18650 cells for many years. It became common practice to describe the battery with the number of cells it contained - **(i.e. 3/4/6/9 Cell)**		With variable sizes & energy densities of prismatic & polymer cells, the most accurate method to communicate the battery rating is **Watt-Hour (Wh or Whr)**

- **Key benefits of Prismatic and polymer batteries:**
  - **Thinner Z height** - Prismatic and polymer batteries are available in many different sizes, thinness and dimensions which help notebooks achieve a thinner Z height compared to 18650 batteries
  - **Flexibility**: Greater Z height thinness achievable
    - Prismatic and polymer batteries have flexibility that 18650s don't
    - A 18650 cell is 18+mm in diameter. A typical system with 18650 batteries will be at least 23+mm thick
    - Common prismatic & polymer cells are 4-6 mm thin allowing notebooks to achieve a thinner z height not achievable with 18650 batteries
- **Importance of using the right terminology (Whr vs. Cell count):**
  - Based on size and energy density, the rating (Whr) of prismatic and polymer batteries can vary greatly for a given cell count
  - For example, the Latitude 12 5000 Series (E5250) has the option of a 51Whr or a 62Whr battery, both 4 cell batteries. The 62Whr offers almost 3 hours greater battery life vs. the 51Whr.

Battery Examples

18650s Standard size battery

Prismatic & polymer battery

Terminology

- **Cell:** The main component of a notebook battery. Notebook batteries are made up of several cells.
- **Amp Hour (Ah):** The capability rating of a battery.
- **Watt Hour (Whr):** The unit of measure defining the amount of energy a battery can provide in a specified time.
- **Capacity:** The total amount of energy that can be withdrawn from a fully charged cell or battery.
- **Battery Runtime or Life (hours):** The amount of time a battery will power a system before requiring a charge.
  - NOTE: Battery runtime varies by System configuration, System usage
  - Temperature of battery (should not be used in extreme hot or cold)
- **Battery Lifetime (months):** The time it takes a battery to degrade to a performance level that is unacceptable to a customer.
- The runtime of a battery decreases based on the way a customer uses it
- Dell batteries are spec'd to last at least 300 full cycles before they fall under 75% capacity
- Cycle: One complete discharge/charge is a cycle. Partial discharges/charges aggregate to 1 complete cycle.

NOTES:

Old battery technology required full discharge in order to maximize runtime. Lithium Ion batteries do not have this requirement.

ExpressCharge requires high quality cells to insure proper performance. While ExpressCharge is demanding of the cells, they are not pushed past manufacturer recommended limits.

ExpressCharge™: Dell trademarked technology for fast battery charging. Charges a battery to 80% in about an hour if the system is turned off.

Storage Life

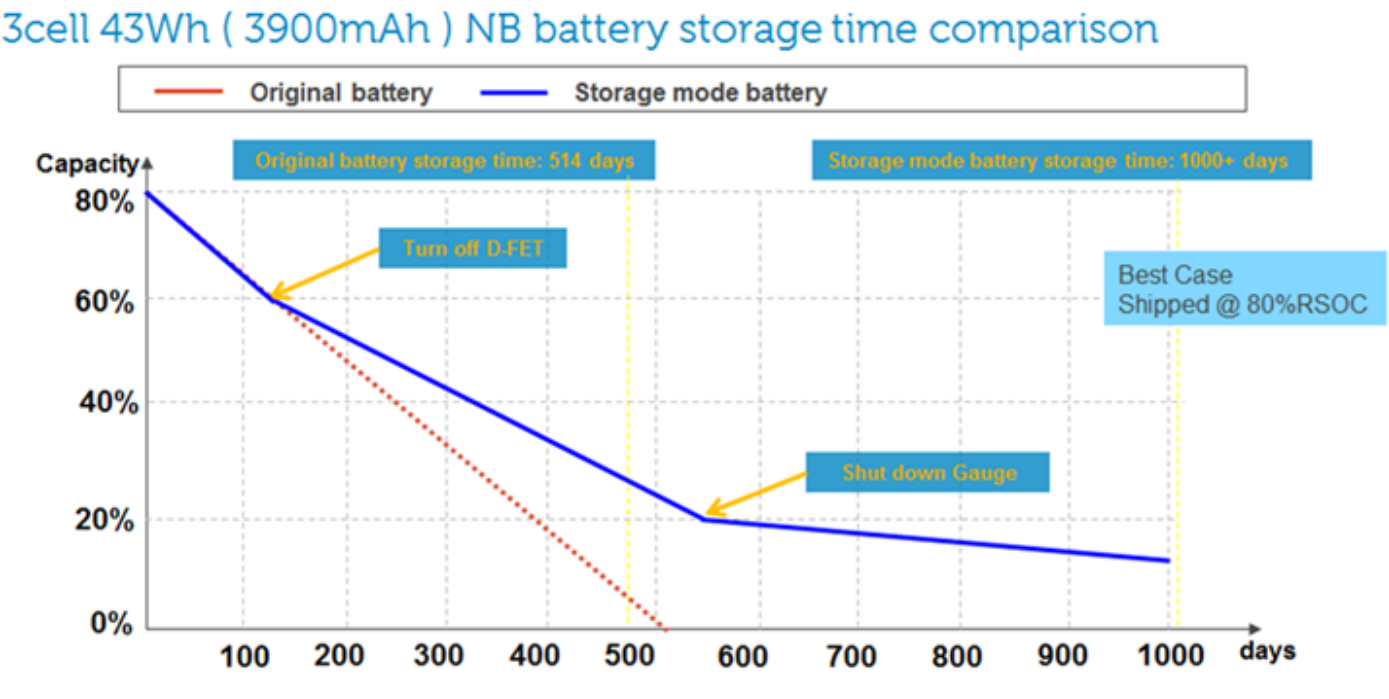
Latitude used to ship batteries un-installed. It is true that after some shelf time the battery can drain and then never be used again. When 5000 series moved to internal batteries, battery storage mode was implemented.

Key Benefits

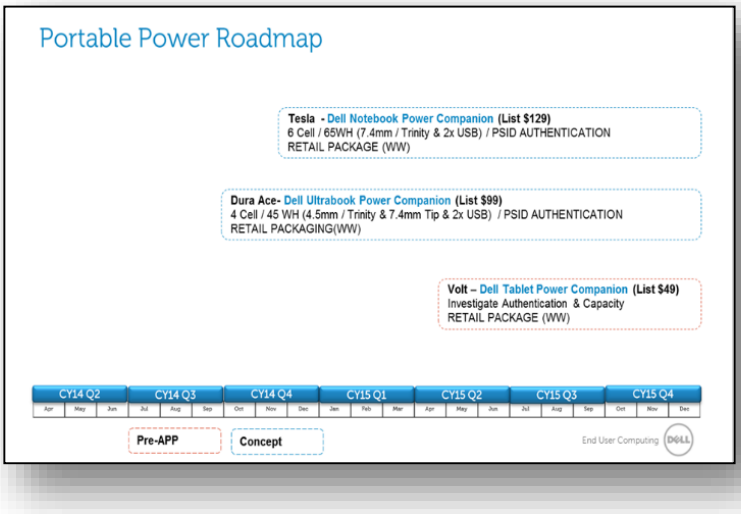
- Long Shelf life over 1000+ days with battery still at ~20% capacity
- Reduce packaging as battery is installed
- Provide more support for the battery during shipment

How it works...

- After 14days, battery D-FET will turn off.
- When battery capacity is drained to 20% RSOC and battery gas gauge will shut down.
- Not at risk no charge until 1000+days.
- There is no need to remove battery with storage mode feature.



Power Companion for extended battery life



Compact power bank for multiple devices

- Replacing 2nd battery use
- Next generation Power Companion will serve as a single device for both power bank and AC adaptor for multiple devices

People need more and more power

- As many devices have integrated battery, power bank is useful for mobile and traveling customers
- Multi-device charging, especially USB connection, is a huge plus for customers

Offer as an upsell to Dell customers

- Portable Power Companion will be a great S&P upsell for mobile customers
- Replacing 2nd battery need can give flexibility for Dell laptop (thinner form factor by integrating or field replaceable)

What is it?

- Designed to keep highly mobile professionals productive while on-the-go, enabling users to take extra power virtually anywhere.
- The Dell Power Companion allows you to power and charge Latitude laptops and other devices simultaneously, even while packed inside your bag.
- With 45Whr/4 cell and 65Whr/6 cell battery options, the Dell Power Companion provides a reliable, powerful backup power solution.

Key Features	Customer Benefit
Extra Power Virtually Anywhere	Small and compact, the Dell Power Companion is easy to take with on the go, allowing you to have extra power, without any added bulk.
Extend Battery Life on-the-go	Designed to fit within the custom-designed sleeves within the Dell Premier Backpack and Dell Premier Briefcases, this handy power solution seamlessly fits into your mobile office and on-the-go lifestyle.
Multi-device charging	With the ability to plug in your laptop and 2 other devices via the 2 USB ports, you can plug in and simultaneously charge up to 3 devices or charge different ones at different times.

187

Two Power Companion Options Available

Key Specifications

Dell Power Companion (12000 mAh)

- 45Wh (4 Cell Battery)
- 12000 mAh power capacity
- 5 point LED battery life indicator
- 2 x USB slots
- Compatible with: Latitude 7000 Series 2-in-1, Latitude 7000 Series, Latitude 5000 Series

Dell Power Companion (18000 mAh)

- 65Wh (6 Cell Battery)
- 18000 mAh power capacity
- 5 point LED battery life indicator
- 2 x USB slots
- Compatible with: Latitude 7000 Series 2-in-1, Latitude 7000 Series, Latitude 5000 Series & Latitude 3000 Series

Get significant extended battery life on Dell Latitude when combined the Dell Power Companion (18000mAh)*

Product	Maximum battery life*	Configuration tested
Latitude 12 7000 Series (E7250)	17 hours and 12 minutes	4-cell battery, 128GB SSD
Latitude 14 7000 Series (E7450)	22 hours and 7 minutes	4-cell battery, 500GB Hybrid HDD
Latitude 13 7000 Series 2-in-1 (7350)	21 hours and 14 minutes	3-cell and 2-cell battery, 128GB SSD
Latitude 12 5000 Series (E5250)	26 hours and 34 minutes	4-cell battery, 128GB mSATA
Latitude 14 5000 Series (E5450)	28 hours and 2 minutes	4-cell battery, 128GB mSATA, UMA graphics
Latitude 15 5000 Series (E5450)	23 hours and 6 minutes	4-cell battery, 128GB SSD, discrete graphics
Latitude 14 3000 Series (3450)	18 hours and 13 minutes	4-cell battery, 500GB 7200 rpm SATA3
Latitude 15 3000 Series (3450)	16 hours and 48 minutes	4-cell battery, 500GB 7200 rpm SATA3
Latitude 11 Education Series (3150)	18 hours and 40 minutes	3-cell battery, 128GB SSD, Intel HD Graphics
Latitude 13 Education Series (3340)	22 hours and 39 minutes	4-cell battery, 128GB SSD

*Extended hour calculation estimate is based on Latitude system and Dell Power Companion (18000mAh) model PW7015L (sold separately) battery capacity ratio and published Mobile Mark 12 or Mobile Mark 14 battery life scores.
*Dell Power Companion is full charge (5 LED) & system is full charge
*Dell Power Companion is connected only to one System and not connected to any other USB devices simultaneously

Battery Q&A

1. **What are the differences between 18650s (cylindrical) and lithium polymer batteries (flat batteries)?**
   - Size and shape. 18650 cylindrical was the most popular standard cell used in notebook for many years. Similar to "AA", "AAA" standards in non-rechargeable. With introduction of Ultrabook and popularity of tablet, many new systems use flat type cells so our products can be made thinner. All are based on Li-Ion chemistry.

2. **What are the benefits of one battery type vs. another?**
   - In addition to making our systems thinner, prismatic and polymer cells come in many sizes (length x width). This allows us greater flexibility when designing our notebook computers.

3. **Why use Whr vs. cell count?**
   - Because cells come in many sizes, the amount of stored energy per cell can vary greatly. In addition we are making rapid advancement in performance, so even with similar cell count, the actual runtime will vary based on technology generation.

4. **How are the cycles calculate on batteries for recharging? We say we can get 300 cycle what % does the battery have to drop to count as a cycle when recharging?**
   - A cycle is accumulated on the battery when it discharges 100% of its capacity. For example, 3 separate discharge events of 30%, 20%, 50% would count as 1 cycle, even if the battery was charged (or partially charged) between each partial discharge.

5. **What makes battery ExpressCharge capable?**
   - Express charge means the battery is able to charge to 80% in about 1 hour and will be fully charged in 2hrs. When our reliability group qualifies an express charge battery it means it meets all original cycling and performance requirements with fast charge as an added feature.

6. **Are all prismatic batteries li polymer? If so why us the term prismatic?**
   - Prismatic refers to a flat battery packaged in a deep drawn aluminum can. It is a higher level of tooling investment and therefore automation. Polymer refers to the flexible, heat sealable pouch that offers greatest flexibility in cell/battery pack size.
   - Both prismatic and polymer are based on Li-Ion cell chemistry.

7. **What makes a battery LLC?**
   - Several years ago we developed a qualification procedure for batteries sold with a 3yr warranty. Long Calendar Life batteries also called long life cycle (LLC) batteries, means the battery has passed enhanced reliability testing including 1000 cycles at room temp, 800 cycles at 40degC, also extended cycling at 5degC and an extended cycling/storage testing.

8. **Power companions. History/background and a bit of technical information**
   - With evolution of system design, transition to thin systems with captured batteries, and removal of bay and traditional docking connector, it has become more difficult to offer upsell battery runtime, spares, or other extended battery solutions integrated into standard systems. Also there was a growing popularity for battery extenders in the smartphone space. This led us to develop the power companion. The brand experience team has collateral for the power companion.

9. **How is our battery testing conducted?**
   - Various testing by phase. System integration, reliability qualification testing, etc…
   - runtime testing is conducted by our performance lab for selected system configurations using the mobile mark benchmark.

10. **What is charge time for LLC non-express charge?**
    - Our customer facing claim is full in 3 hours. A standard charge battery will be at 80% state of charge in approx. 1hr 40min. (express charge is 80% in 1hr)

11. **What are trade offs between LLC and standard express charge capable batteries?**
    - Batteries qualified for a 3yr warranty are typically about 10% less runtime (in the same volume) than a standard 1yr warranty battery. Long warranty batteries use a standard charge rate, not express charge.

12. **Where can we find information on BatMan?**
    - Dell Command Power Monitor (DCPM) is the user interface for our battery management (batman) tools. There is a link to DCPM in the slide deck.

13. **Best practices for battery charge/discharge are commonly asked.** Should they have the batteries discharge completely or can they keep them charging at will? The question also applies to the battery companions
    - All our notebook batteries are smart batteries, meaning they will terminate charge when full and isolate from the charger automatically. Partial cycles are ok. In Batman we have settings to further optimize battery performance based on user needs.

Benchmarks

Latitude Battery Benchmarks

Latitude 7000 Series E7250/7250 Battery Life

Product Claim

- **3-cell battery, 39 Whr***
  - Battery life: up to 7 hours and 48 minutes** of battery life with 3-cell battery
- **4-cell battery, 52 Whr***
  - Battery life: up to 9 hours and 3 minutes** of battery life with optional 4-cell battery

MobileMark 2012 Tests

- 3 Cell/39 Whr Latitude 7000 Series E5250 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core™ i3-5010U (2.1 GHz)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 64bit
  - 128GB SSD
- 4 Cell/52 Whr Latitude 7000 Series E5250 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core™ i5-5200U (2.2 GHz)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 64bit
  - 128GB SSD

*The stated Watt Hour (WHr) is not an indication of battery life

*Based on testing using the Mobile Mark 2012 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use

Latitude 7000 Series E7250/7250 Battery life with Dell Power Companion

Product Claim

- 3-cell battery, 39 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 13 hours of battery life with 3-cell battery, 128GB SSD and Dell Power Companion (12000mAh) PW7015M (sold separately)
- 3-cell battery, 39 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 17 hours and 10 minutes of battery life with 3-cell battery, 128GB SSD and Dell Power Companion (18000mAh) PW7015L (sold separately)
- 4-cell battery, 52 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 14 hours and 33 minutes of battery life with 4-cell battery, 128GB SSD, and Dell Power Companion (12000mAh) PW7015M (sold separately)
- 4-cell battery, 52 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 17 hours and 12 minutes of battery life with 4-cell battery, 128GB SSD, and Dell Power Companion (18000mAh) PW7015L (sold separately)

*Extended hour calculation estimate is based on system to Dell Power Companion battery capacity ratio and published Mobile Mark 12 battery life scores.

*PwC is full charge (5 LED) & system is full charge

*PwC is connected only to one System and not connected to any other USB devices simultaneously

AD# is A15000160

Latitude 7000 Series E7450 Battery Life

Product Claim

- **3-cell battery, 40 Whr***
  - Battery life: up to 9 hours and 52 minutes** of battery life with 3-cell battery
- **4-cell battery, 54 Whr***
  - Battery life: up to 11 hours and 51 minutes** of battery life with optional 4-cell battery

MobileMark 2012 Tests

- 3 Cell/40 Whr Latitude 7000 Series E7450 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core™ i3-5010U (2.1 GHz)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 64bit
  - 256GB SSD
- 4 Cell/54 Whr Latitude 7000 Series E7450 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core™ i5-5200U (2.2 GHz)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 64 bit
  - 500GB Hybrid

*The stated Watt Hour (WHr) is not an indication of battery life.

*Based on testing using the Mobile Mark 2012 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

Latitude 7000 Series E7450
Battery life with Dell Power Companion

Product Claim

- 3-cell battery, 40 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 17 hours and 30 minutes of battery life with 3-cell battery, 256GB SSD and Dell Power Companion (12000mAh) PW7015M (sold separately)*
- 3-cell battery, 40 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 21 hours and 25 minutes of battery life with 3-cell battery, 256GB SSD and Dell Power Companion (18000mAh) PW7015L (sold separately)*
- 4-cell battery, 54 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 18 hours and 39 minutes of battery life with 4-cell battery, 500GB Hybrid HDD, and Dell Power Companion (12000mAh) PW7015M (sold separately)*
- 4-cell battery, 54 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 22 hours and 7 minutes of battery life with 4-cell battery, 500GB Hybrid HDD, and Dell Power Companion (18000mAh) PW7015L (sold separately)*

*Extended hour calculation estimate is based on system to Dell Power Companion battery capacity ratio and published Mobile Mark 12 battery life scores.
*PwC is full charge (5 LED) & system is full charge
*PwC is connected only to one System and not connected to any other USB devices simultaneously

AD# is A15000160

Latitude 5000 Series E5250/5250 Battery Life

Product Claim

- **3-cell battery, 38 Whr***
  - Battery life: up to 9 hours and 41 minutes** of battery life with 3-cell battery
- **4-cell battery, 51 Whr***
  - Battery life: up to 13 hours and 54 minutes** of battery life with 4-cell battery

MobileMark 2014 Tests

- 3 Cell/38 Whr Latitude 5000 Series 5250 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core i3-5010U (Dual Core, 2.1GHz, 3M cache, 15W)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 Pro 64bit
  - 128GB mSATA
  - BIOS version: A03
- 4 Cell/51 Whr Latitude 5000 Series E5250 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core i7-5600U (Dual Core, 2.6 GHz, 4M cache, 15W)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 Pro 64bit
  - 128GB mSATA
  - BIOS version: A03

The stated Watt Hour (WHr) is not an indication of battery life
Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

AD# is 15000000

Latitude 5000 Series E5250/5250 Battery Life

Product Claim

- 3-cell battery, 40 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 17 hours and 30 minutes of battery life with 3-cell battery, 256GB SSD and Dell Power Companion (12000mAh) PW7015M (sold separately)*
- 3-cell battery, 38 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 17 hours and 34 minutes of battery life with 3-cell battery, 128GB mSATA and Dell Power Companion (12000mAh) PW7015M (sold separately)*
- 3-cell battery, 38 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 21 hours and 37 minutes of battery life with 3-cell battery, 128GB mSATA and Dell Power Companion (18000mAh) PW7015L (sold separately)*
- 4-cell 51 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 22 hours and 15 minutes of battery life with 4-cell battery, 128GB mSATA, and Dell Power Companion (12000mAh) PW7015M (sold separately)*
- 4-cell 51 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 26 hours and 34 minutes of battery life with 4-cell battery, 128GB mSATA, and Dell Power Companion (18000mAh) PW7015L (sold separately)*

* Extended hour calculation estimate is based on system to Dell Power Companion battery capacity ratio and published Mobile Mark 14 battery life scores.

Latitude 5000 Series E5250/5250 Battery Life

Product Claim

- : **4-cell battery, 62 Whr***
  - Battery life: up to 16 hours and 36 minutes** of battery life

MobileMark 2014 Tests

- 4 Cell/62 Whr Latitude 5000 Series E5250 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core i5-5200U (Dual Core, 2.2 GHz, 3M cache, 15W)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 Pro 64bit
  - 128GB mSATA
  - BIOS version: A03

The stated Watt Hour (WHr) is not an indication of battery life
Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.
The specific configuration tested must be available for sale in the region / country where this claim is made, otherwise that region / country cannot use this battery life claim because customer would not be able to configure their system to achieve the same result.

Latitude 5000 Series E5450/5450 Battery Life

Product Claim

- **3-cell battery, 38 Whr***
  - Battery life: up to 10 hours and 41 minutes** of battery life with 3-cell battery with UMA graphics
- **4-cell battery, 51 Whr***
  - Battery life: up to 14 hours and 37 minutes** of battery life with 4-cell battery with UMA graphics

MobileMark 2014 Tests

- 3 Cell/38 Whr Latitude 5000 Series 5450 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core i5-5200U (Dual Core, 2.2 GHz, 3M cache, 15W)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 Pro 64bit
  - 128GB mSATA
  - BIOS version: A03
- 4 Cell/51 Whr Latitude 5000 Series E5450 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core i5-5200U (Dual Core, 2.2 GHz, 3M cache, 15W)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 Pro 64 bit
  - 128GB mSATA
  - BIOS version: A03

The stated Watt Hour (WHr) is not an indication of battery life

Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

AD# is 15000000

Latitude 5000 Series E5450/5450 Battery Life

Product Claim

- 3-cell battery, 38 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 19 hours and 28 minutes of battery life with 3-cell battery, 128GB mSATA, UMA graphics, and Dell Power Companion (12000mAh) PW7015M (sold separately)*

- 3-cell battery, 38 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 22 hours and 50 minutes of battery life with 3-cell battery, 128GB mSATA, UMA graphics, and Dell Power Companion (18000mAh) PW7015L (sold separately)*

- 4-cell 51 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 23 hours and 29 minutes of battery life with 4-cell battery, 128GB mSATA, UMA graphics, and Dell Power Companion (12000mAh) PW7015M (sold separately)*

- 4-cell 51 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 28 hours and 2 minutes of battery life with 4-cell battery, 128GB mSATA, UMA graphics, and Dell Power Companion (18000mAh) PW7015L (sold separately)*

* Extended hour calculation estimate is based on system to Dell Power Companion battery capacity ratio and published Mobile Mark 14 battery life scores.

AD# is 15000000

Latitude 5000 Series E5450/5450 Battery Life

Product Claim

- : **4-cell battery, 62 Whr***
  - Battery life: up to 14 hours and 57 minutes** of battery life

MobileMark 2014 Tests

- 4 Cell/51 Whr Latitude 5000 Series E5450 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core i5-5200U (Dual Core, 2.2 GHz, 3M cache, 15W)
  - UMA graphics
  - 8GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 Pro 64 bit
  - 128GB mSATA
  - BIOS version: A03

The stated Watt Hour (WHr) is not an indication of battery life
Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.
The specific configuration tested must be available for sale in the region / country where this claim is made, otherwise that region / country cannot use this battery life claim because customer would not be able to configure their system to achieve the same result.

AD# is 15000107

Latitude 5000 Series E5550/5550 Battery Life

Product Claim

- **3-cell battery, 38 Whr***
  - Not tested at this time
- **4-cell battery, 51 Whr***
  - Battery life: up to 12 hours and 03 minutes** of battery life with 4-cell battery with discrete graphics

MobileMark 2014 Tests

- 3 Cell/38 Whr Latitude 5000 Series E5550 Configuration tested:
  - Not tested at this time
- 4 Cell/51 Whr Latitude 5000 Series E5550 Configuration tested:
  - Intel Integrated graphics (primary)
  - Processor: 5th gen Intel® Core i5-5300U (Dual Core, 2.3 GHz, 3M cache, 15W), vPro
  - NVIDIA discrete graphics (secondary)
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 Pro 64bit
  - 128GB SSD
  - BIOS version: A03

The stated Watt Hour (WHr) is not an indication of battery life

Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

AD# is 15000000

Latitude 5000 Series E5550/5550 Battery Life

Product Claim

- 4-cell 51 Whr and Dell Power Companion (12000mAh) PW7015M
  - Battery life: up to 19 hours and 22 minutes of battery life with 4-cell battery, 128GB SSD, discrete graphics, and Dell Power Companion (12000mAh) PW7015M (sold separately)*

- 4-cell 51 Whr and Dell Power Companion (18000mAh) PW7015L
  - Battery life: up to 23 hours and 6 minutes of battery life with 4-cell battery, 128GB SSD, discrete graphics, and Dell Power Companion (18000mAh) PW7015L (sold separately)*

* Extended hour calculation estimate is based on system to Dell Power Companion battery capacity ratio and published Mobile Mark 14 battery life scores.

Latitude 5000 Series E5550/5550 Battery Life

Product Claim

- : **4-cell battery, 62 Whr***
  - Battery life: up to 13 hours and 20 minutes** of battery life

MobileMark 2014 Tests

- 4 Cell/51 Whr Latitude 5000 Series E5550 Configuration tested:
  - Intel Integrated graphics (primary)
  - Processor: 5th gen Intel® Core i5-5200U (Dual Core, 2.2 GHz, 3M cache, 15W), vPro
  - NVIDIA discrete graphics (secondary)
  - 8GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 Pro 64bit
  - 256GB SSD
  - BIOS version: A03

The stated Watt Hour (WHr) is not an indication of battery life
Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.
The specific configuration tested must be available for sale in the region / country where this claim is made, otherwise that region / country cannot use this battery life claim because customer would not be able to configure their system to achieve the same result.

Latitude 7000 Series E7250/7250 Battery Life

Product Claim

- **3-cell battery, 39 Whr***
  - Battery life: up to 7 hours and 48 minutes** of battery life with 3-cell battery
- **4-cell battery, 52 Whr***
  - Battery life: up to 9 hours and 3 minutes** of battery life with optional 4-cell battery

MobileMark 2012 Tests

- 3 Cell/39 Whr Latitude 7000 Series E5250 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core™ i3-5010U (2.1 GHz)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 64bit
  - 128GB SSD
- 4 Cell/52 Whr Latitude 7000 Series E5250 Configuration tested:
  - Intel Integrated graphics
  - Processor: 5th gen Intel® Core™ i5-5200U (2.2 GHz)
  - UMA graphics
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 64bit
  - 128GB SSD

*The stated Watt Hour (WHr) is not an indication of battery life

*Based on testing using the Mobile Mark 2012 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use

Latitude 15 3000 Series 3550 w/Broadwell Battery Life

Product Claim

- **3-cell (43WHr*) battery**
  - Battery life: up to 7 hours and 15 minutes1
- **4-cell (58WHr*) battery**
  - Battery life: up to 9 hours and 18 minutes2

MobileMark 2014 Tests

- Latitude 3550 Configuration tested:
  - Battery: 3 Cell, Vendor: SDI
  - Processor: 5th Generation Intel® Core™ i3-5005U Processor
  - LCD display: [HD] 1366X768 Touch, vendor: CMN
  - Primary Graphics: Intel
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows 8.1 64bit Professional
  - 500GB 7200rpm SATA3
  - BIOS version: A02
- Latitude 3550 Configuration tested:
  - Battery: 4 Cell, Vendor: SDI
  - Processor: 5th Generation Intel® Core™ i5-5200U Processor
  - LCD display: [HD] 1366X768 Touch, vendor: CMN
  - Primary Graphics: Intel
  - 8GB (2x4GB) DDR3L 1600MHz memory (2 DIMMs)
  - Windows® 8.1 64bit Professional
  - 500GB 7200rpm SATA3
  - BIOS version: A02

Please note:

- Battery size must be called out in the claim itself, since there is a choice of battery size.
- The specific configuration tested must be available for sale in the region / country where this claim is made, otherwise that region / country cannot use this battery life claim because customer would not be able to configure their system to achieve the same result.

*The stated Watt Hour (WHr) is not an indication of battery life

*1 Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

2Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

Latitude 15 3000 Series 3550 w/Broadwell plus Power Companion

Product Claim

- **3-cell battery, 43 Whr and Dell Power Companion (18000mAh) PW7015L**
  - Battery life: up to 15 hours and 8 minutes of battery life with 3-cell battery, optional 500GB 7200 rpm SATA3, and Dell Power Companion (18000mAh) PW7015L (sold separately)*
- **4-cell 58 Whr and Dell Power Companion (18000mAh) PW7015L**
  - Battery life: up to 16 hours and 48 minutes of battery life with optional 4-cell battery, optional 500GB 7200 rpm SATA3, and Dell Power Companion (18000mAh) PW7015L (sold separately)*MobileMark 2012 Tests

* Extended hour calculation estimate is based on system to Dell Power Companion battery capacity ratio and published Mobile Mark 14 battery life scores.

*PwC is full charge (5 LED) & system is full charge

*PwC is connected only to System for at once and not connected to any other USB devices simultaneously

*Extended hour calculation is based on PwC/System battery capacity ratio, PwC gauge % and estimated from system battery life claim from MM2014 test

Latitude 14 3000 Series 3450 w/Broadwell Battery Life

Product Claim

- **3-cell (43WHr*) battery**
  - Battery life: up to 7 hours and 25 minutes1
- **4-cell (58WHr*) battery**
  - Battery life: up to 10 hours and 05 minutes2

MobileMark 2014 Tests

- Latitude 3450 Configuration tested:
  - Battery: 3 Cell, Vendor: Simplo
  - Processor: Intel® Celeron™ 3205U Processor
  - LCD display: [HD] 1366X768 Touch, vendor: AUO
  - Primary Graphics: Intel
  - 4GB DDR3L 1600MHz memory (1 DIMM)
  - Windows® 8.1 64bit Professional
  - 500GB 5400rpm Hybrid SATA3
  - BIOS version: A03
- Latitude 3450 Configuration tested:
  - Battery: 4 Cell, Vendor: SDI
  - Processor: 5th gen Intel® Core™ i7-5500U Processor
  - LCD display: [HD] 1366X768 Touch, vendor: AUO
  - Primary Graphics: Intel
  - 8GB (2x4GB) DDR3L 1600MHz memory (2 DIMM)
  - Windows® 8.1 64bit Professional
  - 500GB 7200rpm SATA3
  - BIOS version: A03

Please note:

- Battery size must be called out in the claim itself, since there is a choice of battery size.
- The specific configuration tested must be available for sale in the region / country where this claim is made, otherwise that region / country cannot use this battery life claim because customer would not be able to configure their system to achieve the same result.

*The stated Watt Hour (WHr) is not an indication of battery life

1. Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

2. Based on testing using the Mobile Mark 2014 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

Latitude 14 3000 Series 3450 w/Broadwell plus Power Companion

Product Claim

- **3-cell battery, 43 Whr and Dell Power Companion (18000mAh) PW7015L**
  - Battery life: up to 15 hours and 8 minutes of battery life with 3-cell battery, optional 500GB 7200 rpm SATA3, and Dell Power Companion (18000mAh) PW7015L (sold separately)*
- **4-cell 58 Whr and Dell Power Companion (18000mAh) PW7015L**
  - Battery life: up to 16 hours and 48 minutes of battery life with optional 4-cell battery, optional 500GB 7200 rpm SATA3, and Dell Power Companion (18000mAh) PW7015L (sold separately)*MobileMark 2012 Tests

* Extended hour calculation estimate is based on system to Dell Power Companion battery capacity ratio and published Mobile Mark 14 battery life scores.

*PwC is full charge (5 LED) & system is full charge

*PwC is connected only to System for at once and not connected to any other USB devices simultaneously

*Extended hour calculation is based on PwC/System battery capacity ratio, PwC gauge % and estimated from system battery life claim from MM2014 test

Latitude 13 Education Series Battery Life

Product Claim

- **43 Whr Battery Life**
  - The Latitude 13 Education series has up to 6 hours and 35 minutes* of battery life with optional 43 Whr** battery and 500GB HDD
  - Battery life increased 39% over the previous generation
- **65 Whr Battery Life**
  - The Latitude 13 Education series has up to 13 hours and 10 minutes* of battery life with optional 65 Whr** battery and 128GB SSD
  - Battery life increased 76% over the previous generation
- Spend less time plugged into an outlet and more time being productive with all day battery life*** of the Latitude 13 Education Series

43 Whr battery system equipped with 4GB, Windows 8.1, Intel HD Graphics, Intel Celeron CPU, 500GB HDD.

65 Whr battery system equipped with 4GB, Windows 8.1, Intel HD Graphics, Intel Core i5 CPU, 128GB SSD

Both systems tested based on testing using the Mobile Mark 2012 battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product's configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.

**The stated Whr is not an indicated of battery life

***See 65Whr battery life information

Battery Life with Dell Power Companion

Product Claim

- **3-cell battery, 43 Whr and Dell Power Companion (12000mAh) PW7015M**
  - Battery life: up to 11 hours and 19 minutes of battery life with 3-cell battery, 500GB HDD and Dell Power Companion (12000mAh) PW7015M (sold separately)*
- **3-cell battery, 43 Whr and Dell Power Companion (18000mAh) PW7015L**
  - Battery life: up to 13 hours and 45 minutes of battery life with 3-cell battery, 500GB HDD and Dell Power Companion (18000mAh) PW7015L (sold separately)*
- **4-cell battery, 65 Whr and Dell Power Companion (12000mAh) PW7015M**
  - Battery life: up to 19 hours and 26 minutes of battery life with 4-cell battery, 128GB SSD, and Dell Power Companion (12000mAh) PW7015M (sold separately)*
- **4-cell battery, 65 Whr and Dell Power Companion (18000mAh) PW7015L**
  - Battery life: up to 22 hours and 39 minutes of battery life with 4-cell battery, 128GB SSD, and Dell Power Companion (18000mAh) PW7015L (sold separately)*

*Extended hour calculation estimate is based on system to Dell Power Companion battery capacity ratio and published Mobile Mark 12 battery life scores.
*PwC is full charge (5 LED) & system is full charge
*PwC is connected only to one System and not connected to any other USB devices simultaneously

Latitude 13 Education Series Resume and boot time

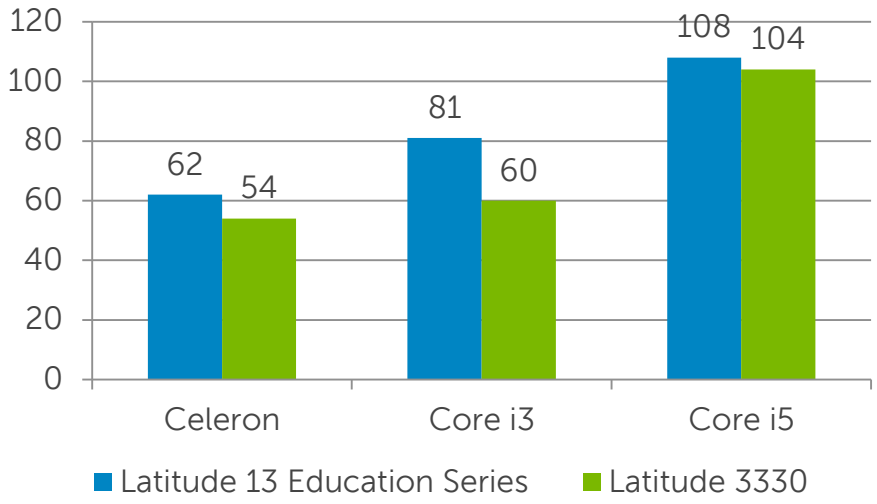
Product Claim

- The Dell Latitude 13 Education series resumes in under 2.7 seconds to get students back to work more quickly, a 33% improvement over the previous generation
- No more waiting for systems to boot up. Get classes started quickly with the Latitude 13 Education Series that boots in under 13.2 seconds! An 90% improvement over the previous generation

Latitude 13 Education Series Processor Performance Configurations Tested

- Latitude 13 Education Series
  - Intel Celeron 2957U
  - Windows 8.1
  - Storage 500GB HDD
  - Memory 4GB
  - Bios X16
  - 43 Whr battery
- Latitude 13 Education Series
  - Intel Core i3 4010U
  - Windows 8.1
  - Storage 500GB HDD
  - Memory 4GB
  - Bios X16
  - 65 Whr battery
- Latitude 13 Education Series
  - Intel Core i5 4200U
  - Windows 8.1
  - Storage 500GB HDD
  - Memory 4GB
  - Bios X16
  - 65 Whr battery

- Latitude 13 Education Series with Intel Core i5 performed up to 74% better than Intel Celeron
- Latitude 13 Education Series with Intel Core i5 performed up to 33% better than Intel Core i3
- Latitude 13 Education Series with Intel Core i3 performed up to 31% better than Intel Celeron



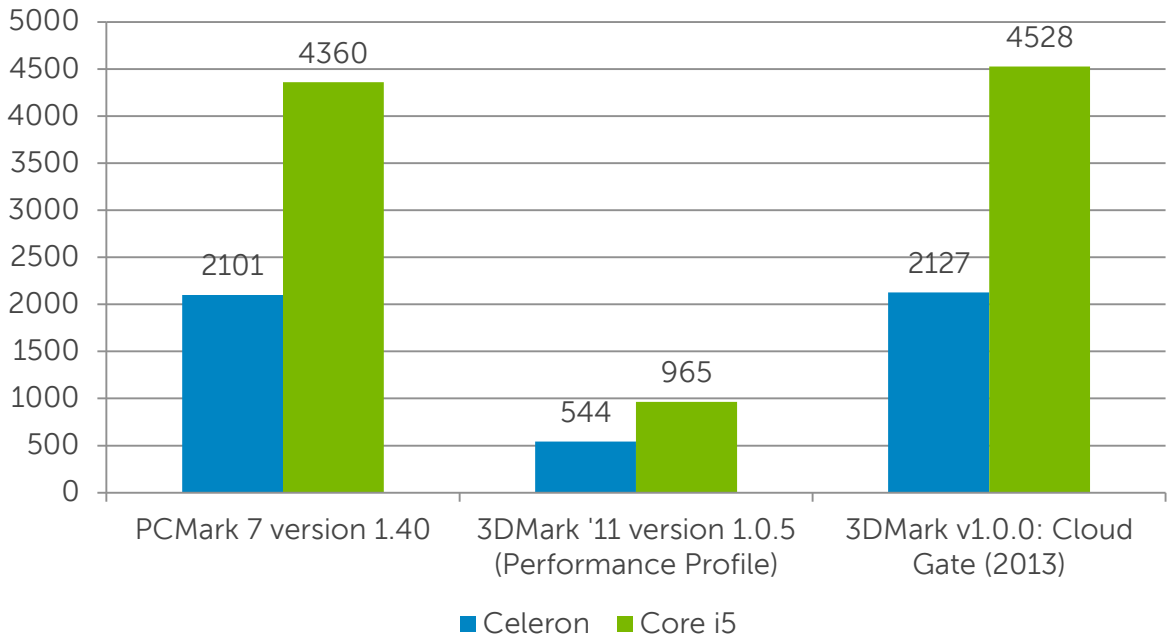
Based on BaPCo Sysmark 2012 Version 1.5.0.166 by a third party lab in April 2013 comparing similarly configured Haswell CPUS with HD Graphics: Core i5, Core I3 and Celeron. Actual performance will vary based on configuration, usage and manufacturing variability.

CAUTION: GEOGRAPHIC LIMITATIONS ON COMPARATIVE ADVERTISING
Comparative claims are not allowed in all countries. Please see below to learn which countries ban Dell vs. Dell claims, and which countries will allow the claims only if based upon independent third party testing. You may also contact Legal Counsel in the Region where the claim will be made for additional guidance.
Do not make the claims in: None.
3rd party testing required (Do not make claims) in: South Africa, Ukraine, Venezuela.

Latitude 13 Education Series Graphics Performance Configurations Tested

- Latitude 13 Education Series
  - Intel Celeron 2957U
  - Windows 8.1
  - Storage 500GB HDD
  - Memory 4GB
  - Bios X16

- Latitude 13 Education Series
  - Intel Core i5 4200U
  - Windows 8.1
  - Storage 128 SSD
  - Memory 4GB
  - Bios X16



- Latitude 13 Education Series with Intel Core i5 performed up to 108% better than Intel Celeron in PC Mark7 testing
- Latitude 13 Education Series with Intel Core i5 performed up to 77% better than Intel Celeron in 3D Mark '11 Version 1.0.53 (Performance Profile) testing
- Latitude 13 Education Series with Intel Core i5 performed up to 113% better than Intel Celeron in 3D Mark v1.0.0 Cloud Gate (2013) testing

CAUTION: GEOGRAPHIC LIMITATIONS ON COMPARATIVE ADVERTISING
Comparative claims are not allowed in all countries. Please see below to learn which countries ban Dell vs. Dell claims, and which countries will allow the claims only if based upon independent third party testing. You may also contact Legal Counsel in the Region where the claim will be made for additional guidance.
Do not make the claims in: None.
3rd party testing required (Do not make claims) in: South Africa, Ukraine, Venezuela.

OptiPlex
CPU Crosswalk
Haswell-Refresh

OptiPlex 9020 HSW & 9020 HSW-R CPU Sysmark 12 Crosswalk

OptiPlex 9020 Haswell Sysmark 12				
GSP/ GA	vPro	FHC	Sys. 12	
MT, SFF				
GSP	X	X	239	Intel® Core™ i7-4770, QC/8MB/8T/3.4GHz, 84W
GSP	X	X	211	Intel® Core™ i5-4670, QC/6MB/4T/3.4GHz, 84W
GSP	X	X	201	Intel® Core™ i5-4570, QC/6MB/4T/3.2GHz, 84W

Performance Improvement
3.3% →
2.8% →
3.5% →

OptiPlex 9020 Haswell Refresh Sysmark 12				
GSP/ GA	vPro	FHC	Sys. 12	
MT, SFF				
GSP	X	X	247	Intel Core™ i7-4790 QC/8MB/8T/3.6GHz, 84W
GSP	X	X	217	Intel Core™ i5-4690 QC/6MB/4T/3.5GHz, 84W
GSP	X	X	208	Intel Core™ i5-4590 QC/6MB/4T/3.3GHz, 84W
GSP		X	167	Intel Core™ i3-4150 DC/3MB/4T/3.5GHz, 54W

OptiPlex 7010 IVB & 7020 HSW-R CPU Sysmark 12 Crosswalk

OptiPlex 7010 Ivy Bridge Sysmark 12				
GSP/ GA	vPro	FHC	Sys. 12	
GSP	X		219	Intel Core i7-3770 QC/8MB/8T 3.4GHz, 77W
GSP	X		214	Intel Core i7-3770s QC/8M/8T 3.1GHz, 65W
GSP	X		192	Intel Core i5-3570 QC/6M/4T 3.4GHz, 77W

Performance Improvement
11.4% →
12.0% →

OptiPlex 7020 Haswell Refresh Sysmark 12				
GSP/ GA	vPro	FHC	Sys. 12	
MT & SFF only				
GSP		X	244	Intel Core™ i7-4790 QC/8MB/8T 3.6GHz, 84W
GSP			215	Intel® Core™ i5-4690 QC/6MB/4T 3.5GHz, 84W
GA		X	164	Intel® Core™ i3-4150 DC/3MB/4T 3.5GHz, 54W
		X	125	Intel® Pentium™ G3240 DC/2MB/2T 3.1GHz, 65W

OptiPlex 3020 HSW & 3020 HSW-R CPU Sysmark 12 Crosswalk

OptiPlex 3020 Haswell Sysmark 12				
GSP/ GA	vPro	FHC	Sys. 12	
MT, SFF				
GSP		X	189	Intel® Core™ i5-4570, QC/6MB/4T/3.2GHz, 84W
GA		X	140	Intel Core i3-4130 DC/3M/4T/3.4Hz, 54W
			122	Intel Pentium™ G3220 DC/3M/2T/3.0GHz, 53W
			113	Intel Celeron G1820 2C/2M/2T/2.7GHz, 53W

Performance Improvement
8.4% →
4.3% →
2.5% →
1.7% →

OptiPlex 3020 Haswell Refresh Sysmark 12				
GSP/ GA	vPro	FHC	Sys. 12	
MT, SFF				
GSP		X	205	Intel Core™ i5-4590 QC/6MB/4T/3.3GHz, 84W
GA		X	146	Intel Core™ i3-4150 DC/3MB/4T/3.5GHz, 54W
			125	Intel® Pentium™ G3240 DC/2MB/2T 3.1GHz, 65W
			115	Intel Celeron G1840 2C/2M/2T/2.8Ghz, 53W

System Configurations used for testing Back-up

Windows Version	Win8.1 Professional
32-bit or 64-bit	64bit
Primary Graphics	Onboard
Secondary Graphics (if present, example: Optimus)	N/A
Secondary Graphics Driver (if present, example: Optimus)	N/A
Total Memory	16G
Number of Memory Channels	1,2 (DIMM,8GB,1600,2RX8,4G,DDR3L,U DPN: 66GKY)
Primary Hard Drive Vendor and Model	SSDR,128G,S3,7MM,SMSNG,PM851
Primary Hard Drive Dell Part Number	X4W7P
Primary Hard Drive Storage	128GB
Primary Hard Drive Interface Type (SATA2, SATA3, etc)	SSD
Secondary Storage Vendor and Model (if present)	N/A
Secondary Storage Capacity (if present)	N/A
Wireless LAN Vendor	N/A
Wireless LAN Model	N/A
Wireless LAN Driver and Dell Revision	N/A
Bluetooth Vendor	N/A
Bluetooth Model	N/A
Bluetooth Driver and Dell Revision	N/A

Key Precision performance benchmarks (gen. over gen.)

Precision 17 7000 Series (7710)

Category	Claim
Gen over gen performance: Graphics with Solidworks	**Gen over gen: The Precision 7710 provides 159% higher SolidWorks graphics performance compared to an M6800*** (**Explanation**: SolidWorks graphics performance is measured using SPECviewperf 12.0.2 and is measured in frames per second (FPS). Higher FPS provides a more interactive experience with smoother animation and less stuttering or jumping between frames.)
Gen over gen performance: Storage performance	**Gen over gen: The Precision 7710 provides 39% higher storage performance compared to an M6800*** (**Explanation:** Storage performance is measured using PCMark 8 Storage and is measured in megabytes per second (MB/s). Higher MB/s means that data can be read from and written to the drive faster, for example when files are saved onto the drive or read back from the drive in typical client application software.)
Gen over gen performance: Single threaded integer	**Gen over gen: The Precision 7710 provides 6% higher single-threaded integer performance compared to an M6800*** (**Explanation**: Single-threaded integer performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency feeding data to other subsystems like graphics and storage, and more work done in a shorter period of time when that work is limited to a single thread of operation.)
Gen over gen performance: Multi-threaded integer	**Gen over gen: The Precision 7710 provides 6% higher multi-threaded integer performance compared to an M6800*** (Explanation: Multi-threaded integer performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency computing complex mathematical equations using integers, and more work done in a shorter period of time when that work is distributed across as many cores as possible.)

Precision 15 7000 Series (7510)

Category	Claim
Gen over gen performance: Single threaded integer	**Gen over gen: The Precision 7510 provides 18% higher single-threaded integer performance compared to an M4800*** (**Explanation:** Single-threaded integer performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency feeding data to other subsystems like graphics and storage, and more work done in a shorter period of time when that work is limited to a single thread of operation.)
Gen over gen performance: Multi-threaded integer	**Gen over gen: The Precision 7510 provides 30% higher multi-threaded integer performance compared to an M6800*** (**Explanation**: Multi-threaded integer performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency computing complex mathematical equations using integers, and more work done in a shorter period of time when that work is distributed across as many cores as possible.)
Gen over gen performance: Storage performance	**Gen over gen: The Precision 7710 provides 39% higher storage performance compared to an M6800*** (**Explanation:** Storage performance is measured using PCMark 8 Storage and is measured in megabytes per second (MB/s). Higher MB/s means that data can be read from and written to the drive faster, for example when files are saved onto the drive or read back from the drive in typical client application software.)
Gen over gen performance: Graphics with Solidworks	**Gen over gen: The Precision 7710 provides 159% higher SolidWorks graphics performance compared to an M6800*** (**Explanation**: SolidWorks graphics performance is measured using SPECviewperf 12.0.2 and is measured in frames per second (FPS). Higher FPS provides a more interactive experience with smoother animation and less stuttering or jumping between frames.)

Precision 15 5000 Series (5510)

Category	Claim
Gen over gen performance: Graphics with CATIA	**Gen over gen: The Precision 5510 provides 97% higher CATIA graphics performance compared to an M3800*** (**Explanation**:CATIA graphics performance is measured using SPECviewperf 12.0.2 and is measured in frames per second (FPS). Higher FPS provides a more interactive experience with smoother animation and less stuttering or jumping between frames.)
Gen over gen performance: Graphics with Creo	**Gen over gen: The Precision 5510 provides 81% higher Creo graphics performance compared to an M3800*** (**Explanation**: Creo graphics performance is measured using SPECviewperf 12.0.2 and is measured in frames per second (FPS). Higher FPS provides a more interactive experience with smoother animation and less stuttering or jumping between frames.)
Gen over gen performance: Graphics with Maya	**Gen over gen: The Precision 5510 provides 34% higher Maya graphics performance compared to an M3800*** (**Explanation**: Maya graphics performance is measured using SPECviewperf 12.0.2 and is measured in frames per second (FPS). Higher FPS provides a more interactive experience with smoother animation and less stuttering or jumping between frames.)
Gen over gen performance: Graphics with Solidworks	**Gen over gen: The Precision 5510 provides 66% higher SolidWorks graphics performance compared to an M3800*** (**Explanation**: SolidWorks graphics performance is measured using SPECviewperf 12.0.2 and is measured in frames per second (FPS). Higher FPS provides a more interactive experience with smoother animation and less stuttering or jumping between frames.)

Dell - Internal Use - Confidential

Precision 15 3000 Series (3510)

Category	Claim
Gen over gen performance: Single threaded floating point performance	**The Precision 3510 provides 26% higher single-threaded floating point performance compared to an M2800*** (Explanation: Single-threaded floating point performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency computing complex mathematical equations with high precision in the fractional component, and more work done in a shorter period of time when that
: **Gen over gen performance: Multi-threaded floating point performance**	**The Precision 3510 provides 33% higher multi-threaded floating point performance compared to an M2800*** (Explanation: Multi-threaded floating point performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency computing complex mathematical equations with high precision in the fractional component, and more work done in a shorter period of time when that work is distributed across as many cores as possible.)
Gen over gen performance: Graphics / volume visualization	**The Precision 3510 provides 31% higher volume visualization graphics performance compared to an M2800*** (Explanation: Volume visualization graphics performance is measured using SPECviewperf 12.0.2 and is measured in frames per second (FPS). Higher FPS provides a more interactive experience with smoother animation and less stuttering or jumping between frames. Volume visualization is used in verticals like Energy and Medical to explore a volumetric data set. Volumetric data sets include things like tomography data (oil wells, natural gas pockets, etc.) and MRI data (heart, brain, etc.).)

Precision Tower 3000 Series (3620)

Category	Claim
Gen over gen performance: Single threaded floating point performance	**The Precision Tower 3620 provides 16% higher single-threaded integer performance compared to a T1700*** (Explanation: Single-threaded integer performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency feeding data to other subsystems like graphics and storage, and more work done in a shorter period of time when that work is limited to a single thread of operation.)
Gen over gen performance: Single threaded floating point performance	**The Precision Tower 3620 provides 32% higher single-threaded floating point performance compared to a T1700*** (Explanation: Single-threaded floating point performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency computing complex mathematical equations with high precision in the fractional component, and more work done in a shorter period of time when
Gen over gen performance: Multi-threaded floating point performance	**The Precision Tower 3620 provides 33% higher multi-threaded floating point performance compared to a T1700*** (Explanation: Multi-threaded floating point performance is measured using SPEC CPU and is one of the most important CPU performance metrics. Higher performance here means greater efficiency computing complex mathematical equations with high precision in the fractional component, and more work done in a shorter period of time when that work is distributed across as many cores as possible.)
Gen over gen performance: Graphics with Creo	**The Precision Tower 3620 provides 34% higher Creo graphics performance compared to a T1700*** (Explanation: Creo graphics performance is measured using SPECviewperf 12.0.2 and is measured in frames per second (FPS). Higher FPS provides a more interactive experience with smoother animation and less stuttering or jumping between frames.)

Vostro performance benchmarks

Vostro 14 5000 Series 5459 Battery Life

Vostro 14 5000 Series Claims (SKYLAKE – Model 5459)

The Vostro 14 5000 Series has up to **10 hours 51 minutes of Mobile Mark 14 battery life** with DPST enabled, when equipped with 6th Generation Intel® Core™ i3-6100, Intel® HD Graphics 520, 4GB DDR3L system memory, 500GB HDD, HD non-touch display, 3-cell 43WHr battery and Windows 10, as tested by Dell labs Sept 17, 2015.* Config: MONET14SKL1605_008

The Vostro 14 5000 Series has up to 10 hours 38 minutes of Mobile Mark 14 battery life with DPST enabled, when equipped with 6th Generation Intel® Core™ i5-6200, Intel® HD Graphics 520, NVIDIA® GeForce® 930M graphics, 8GB DDR3L system memory, 128GB HDD, HD non-touch display, 3-cell 43WHr battery and Windows 10, as tested by Dell labs Sept 17, 2015.* Config: MONET14SKL1605_005

The Vostro 14 5000 Series has up to 9 hours 39 minutes of Mobile Mark 14 battery life with DPST enabled, when equipped with 6th Generation Intel® Core™ i7-6500, Intel® HD Graphics 520, NVIDIA® GeForce® 930M graphics, 8GB DDR3L system memory, 1000GB HDD, HD non-touch display, 3-cell 43WHr battery and Windows 10, as tested by Dell labs Sept 17, 2015.* Config: MONET14SKL1605_0010

NOTES:

*** Battery Life:** Battery life is based on Mobile Mark 2014 benchmark test, available at www.bapco.com. Test results are for comparative purposes only. Actual battery life may be significantly less than the test results and varies depending on product configuration and use, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time.

Competitive Compares

Latitude 12 7000 (E7250)

Thinner than ever: The Latitude 12 has a starting weight of just 2.7 lb (1.25kg) .

Elite and durable design: With soft- touch paint finish and woven carbon fiber (on touch models) on the exterior, the Latitude 7000 series is designed to survive challenging physical environments and MIL-STD 810G testing.

Control at your fingertips: Dell touch-enabled displays offer optimal viewing experience, touch sensitivity, brightness and durability with edge-to-edge Corning® Gorilla® Glass NBT™

Lenovo X250		HP EliteBook Folio 1020 G2		HP EliteBook Folio 1020 G2 SE		HP EliteBook 820 G2
5th generation Intel® Core™ i3, i5 or i7	Processor	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ M	5th generation Intel® Core™ M		5th generation Intel® Core™ i3, i5 or i7
Microsoft® Windows 7 & 8.1	Operating System	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu		Microsoft® Windows 7 & 8.1, Ubuntu
Intel HD 5500	Graphics	Intel HD Graphics 5500	Intel HD 5300	Intel HD 5300		Intel HD Graphics 5500
Up to 16 GB DDR3L memory (2 DIMM)	Memory	Up to 8 GB DDR3L memory (1 DIMM)	Up to 8 GB DDR3L memory (1 DIMM)	Up to 8 GB DDR3L memory (1 DIMM)		Up to 16 GB DDR3L memory (1 DIMM)
12.5” HD or Full HD LED-backlit	Display	12.5” HD and Full HD panel options	12.5” Full HD or QHD (2560x1440)	12.5” QHD (2560x1440)		12.5” HD and Full HD panel options
Touch with Full HD IPS panel	Touch option	Touch with Full HD panel	Optional touch with QHD panel	N.A.		Touch with Full HD panel
N.A.	Hard drive option	Up to 1TB HDD	N.A.	N.A.		Up to 500GB HDD
Up to 512GB SSD	SSD option	Up to 512GB SSD	Up to 512GB SSD	Up to 512GB SSD		Up to 512GB SSD
None	Optical drive	None	None	None		None
Backlit	Keyboard	Backlit, single pointing	Backlit	Backlit		Backlit, single pointing
Up to 9 hours with 4-cell (52Whr)	Battery life	Up to 5.2 hours with 3-cell (23WHr) optional 3 or 6 cell external batteries	Up to 15 hours with 3-cell (46Whr)	Up to 15 hours with 3-cell (46Whr)		Up to 15 hours with 3-cell (46Whr)
3x USB 3.0, RJ-45	Input / output	2x USB 3.0, SD	2x USB 3.0, micro SD	2x USB 3.0, micro SD		3x USB 3.0, SD, RJ-45
1x mini DisplayPort, 1x HDMI	Video ports	1x mini DisplayPort, 1x VGA	1x HDMI	1x HDMI		1x DisplayPort, 1x VGA
WLAN - up to 3x3 support	Wireless LAN	WLAN	WLAN	WLAN		WLAN
Bluetooth 4.0, WiGig option, NFC	Wireless connectivity	Bluetooth	Bluetooth	Bluetooth		Bluetooth
Optional 4G LTE mobile broadband	Mobile Broadband	Optional 4G mobile broadband	N.A.	N.A.		Optional 4G mobile broadband
Kensington lock slot	Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot		Kensington lock slot
TPM, Dell ControlVault™	Security chips	TPM	TPM	TPM		TPM
Fingerprint, smart card, contactless smart card reader options	Authentication factors	Fingerprint reader, smart card reader	Fingerprint reader	Fingerprint reader		Optional fingerprint reader, smart card reader
Dell Data Protection | Encryption	Security software	No encryption software	Full volume encryption	Full volume encryption		Full volume encryption
Starting at 1.252 kg / 2.76 lbs	Weight	Starting at 1.3 kg / 2.9 lbs	Starting at 1.21 kg / 2.6 lbs	Starting at 1.03 kg / 2.27 lbs		Starting at 1.3 kg / 2.9 lbs
310.5 x 211 x 19.4 mm	Size (metric)	305.5 x 208.5 x 20.3 mm	310 x 210 x 15.7 mm	310 x 210 x 15.7 mm		310 x 215 x 21 mm
12.2 x 8.3 x 0.76 in	Size (US)	12 x 8.21 x 0.80 in	12.2 x 8.3 x 0.62 in	12.2 x 8.3 x 0.62 in		12.2 x 8.48 x 0.83 in
January 2015	Launch date	January 2015	January 2015	January 2015		January 2015

Dell Latitude 12 7000 unique features:

Two slots and up to 16GB is only available on Dell Latitude E7250, which has often more configuration flexibility.

Dell Latitude E7250 offers more security features, in particular Dell ControlVault chip and contactless smart card reader.

Dell Latitude E7250 integrated 3x3 antenna for high quality wireless LAN connectivity or Dell WiGig docking connectivity.

Why Dell Latitude 12 7000:

- Better wireless connectivity
- Native Ethernet port
- More memory expansion
- More authentication factors
- Better security solution

Why Dell Latitude 12 7000:

- Better wireless connectivity
- Native Ethernet port
- More memory expansion
- More authentication factors
- Better security solution

Why Dell Latitude 12 7000:

- Better wireless connectivity
- Native Ethernet port
- More memory expansion
- More authentication factors
- Better security solution

Why Dell Latitude 12 7000:

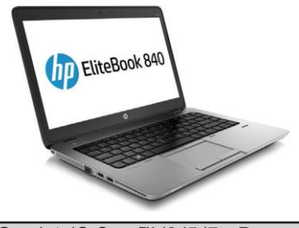
- Better wireless connectivity
- Native Ethernet port
- More memory expansion
- More authentication factors
- Better security solution

Latitude 14 7000 (E7450)

Thinner than ever: The Latitude 14 has a starting weight of just 3.4 lb (1.54kg) .

Elite and durable design: With soft- touch paint finish and woven carbon fiber (on touch models) on the exterior, the Latitude 7000 series is designed to survive challenging physical environments and MIL-STD 810G testing.

Control at your fingertips: Dell touch-enabled displays offer optimal viewing experience, touch sensitivity, brightness and durability with edge-to-edge Corning® Gorilla® Glass NBT™



Lenovo X1 Carbon		Lenovo T450S		HP EliteBook 1040 G2		HP EliteBook 840 G2
5th generation Intel® Core™ i3, i5 or i7	Processor	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ i5 or i7	5th Gen Intel® Core™ i3,i5,i7; vPro
Microsoft® Windows 7 & 8.1	Operating System	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Linux	Win7, 8.1, Linux
Intel HD 5500 or nVidia GeForce	Graphics	Intel HD Graphics 5500	Intel HD 5500 or nVidia GeForce	Intel HD Graphics 5500	Intel HD Graphics 5500 or AMD Radeon
Up to 16 GB DDR3L memory (2 DIMM)	Memory	Up to 8 GB DDR3L memory (2 DIMM)	Up to 12 GB DDR3L memory (1 DIMM)	Up to 8 GB DDR3L memory (1 DIMM)	Up to 16GB DDR3L 1600MHz
14” HD, HD+ or Full HD LED-backlit	Display	14” WQHD (2560x1440) or Full HD	14” HD+ (1600x900) or Full HD	14” HD+ (1600x900) or Full HD	14” HD, 14" HD+ or 14” FHD
Optional touch with Full HD IPS panel	Touch option	Touch with WQHD IPS panel	Optional touch with Full HD panel	N.A.	Optional touch with Full HD panel
Up to 500GB SATA 5400 rpm HDD	Hard drive option	N.A.	Up to 1TB SATA 5400 rpm HDD	N.A.	Up to 1TB SATA 5400 rpm HDD
Up to 512GB SSD	SSD option	Up to 512GB SSD	Up to 512GB SSD	Up to 512GB SSD	Up to 256GB SSD & 256GB M2 SSD
None	Optical drive	None	None	None	None
Backlit	Keyboard	Backlit	Backlit	Backlit	Backlit
Up to 11.8 hours with 4-cell	Battery life	Up to 10.8 hours battery life	Up to 17 hours battery life with 6-cell	Information not available	Information not available
3x USB 3.0, SD/MMC, RJ-45	Input / output	2x USB 3.0	3x USB 3.0, RJ-45	2x USB 3.0, mSD, RJ-45 with dongle	3x USB 3.0, SD, RJ-45
1x mini DisplayPort, 1x HDMI	Video ports	1x mini DisplayPort, 1x HDMI	1x mini DisplayPort, 1x VGA	1x DisplayPort	1x DisplayPort, 1x VGA
WLAN - up to 3x3 support	Wireless LAN	Intel 2x2 WLAN	WLAN	WLAN	WLAN
Bluetooth 4.0, WiGig option, NFC	Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0, NFC	Bluetooth 4.0, NFC
Optional 4G LTE mobile broadband	Mobile Broadband	Optional 4G mobile broadband	Optional 4G mobile broadband	Optional 4G LTE mobile broadband	Optional 4G LTE mobile broadband
Kensington lock slot	Physical security	Kensington lock slot	Kensington lock slot	Information not available	Kensington lock slot
TPM, Dell ControlVault™	Security chips	TPM	TPM	TPM	TPM
Fingerprint, smart card, contactless smart card reader	Authentication factors	Fingerprint reader	Fingerprint reader, smart card reader	Fingerprint reader, smart card reader	Fingerprint reader, smart card reader
Dell Data Protection | Encryption	Security software	No encryption software	No encryption software	Full volume encryption	Dell Data Protection | Encryption
Starting at 1.556 kg / 3.43 lbs	Weight	Starting at 1.306 kg / 2.88 lbs	Starting at 1.48 kg / 3.26 lbs	Starting at 1.51 kg / 3.32 lbs	Starting at 1.55 kg / 3.4 lbs
337 x 231 x 21 mm	Size (metric)	338 x 233 x 15.6 mm	331 x 226 x 20.65 mm	338 x 233 x 15.9 mm	339 x 237 x 22.6 mm
13.27 x 9.1 x 0.83 in	Size (US)	13.31 x 9.19 x 0.63 in	13.03 x 8.9 x 0.81 in	13.31 x 9.19 x 0.63 in	13.35 x 9.33 x 0.89 in
January 2015	Launch date	January 2015	January 2015	January 2015	January 2015

Dell Latitude 14 7000 unique features:

Two slots and up to 16GB is only available on Dell Latitude E7450, which has often more configuration flexibility.

Dell Latitude E7450 offers more security features, in particular Dell ControlVault chip and contactless smart card reader.

Dell Latitude E7450 integrated 3x3 antenna for high quality wireless LAN connectivity or Dell WiGig docking connectivity.

Why Dell Latitude 14 7000:

- Better wireless connectivity
- Native Ethernet port
- More authentication factors
- Better security solution

Why Dell Latitude 14 7000:

- Better wireless connectivity
- More authentication factors
- Better security solution

Lenovo battery system and memory choice compromise on flexibility and potential longevity of the Lenovo T450s, which more difficult to upgrade or replace the battery.

Why Dell Latitude 14 7000:

- Better wireless connectivity
- Native Ethernet port
- More memory expansion
- More authentication factors
- Better security solution

Why Dell Latitude 14 7000:

- Better wireless connectivity
- More authentication factors
- Better security solution

Latitude 13 7000 Series 2-in-1 (7350)

Business as usual is never usual.
The world's most secure 2-in-1 is a lightweight Ultrabook™ and a detachable 13-inch tablet in one powerful device, featuring Intel® Core™ M processors.

Latitude 13 7000 Series 2-in-1 is designed to keep you productive – on the road or at the office. To achieve ultimate mobility, a line of accessories purposefully designed for the Latitude 13 7000 Series 2-in-1 creates a functional mobile office that can keep on-the-go professionals productive throughout the workday.

HP Elite X2 1011		HP Pro x2 612	Microsoft Surface Pro 3	Lenovo Helix 2014
Intel® Core™ M & Core™ M vPro™ i3, i5 or i7	Processor	Intel® Core™ M & Core™ M vPro™ i3, i5 or i7	4th Gen Intel® Core™ i up to Core™ i5	4th Gen Intel® Core™ i3, i5, i7 (i3 Y-series; i5/i7 U-series)"	Intel® Core™ M & Core™ M vPro™ (vPro Offering avaialble Jan 2015)"
Win8.1 & Win 8.1 Pro	Operating System	Win8.1,Win 8.1 Pro, Win 7 Pro	Win8.1 Pro / Win 8.1 / Win7 Pro	Win8.1	Win8.1 & Win 8.1 Pro
Intel HD 5300	Graphics	Intel HD 5300	Intel(R) HD 4200 Graphics	Intel® HD 5000 Graphics	Intel(R) HD 5300 Graphics
4GB/8GB 1600MHz	Memory	4GB/8GB 1600MHz	4GB/8GB 1600MHz	4GB/8GB RAM	4GB/8GB 1600MHz
13.3" FHD IPS (1920x1080) (400 nits) Gorilla Glass	Display	11.6" HD IPS(1366 x 768); 11.6" diagonal FHD IPS (1920 x 1080)	12.5" HD IPS (1366x768) or 12.5" FHD IPS (1920x1080) 300 nits	12" FHD+ IPS (2160x1440)	11.6" Full HD (1920 x 1080) IPS (400 nits) Gorilla Glass
Up to 512GB SSD	SSD option	Up to 512GB SSD	Up to 256GB SSD	Up to 512GB SSD	Up to 512GB SSD
None	Optical drive	None	None	None	None
Backlit	Keyboard	Backlit	Backlit	Backlit	Backlit
3C 30WHr in Tablet (up to 6.5hrs) 2C 20Whr in KB (up to 10hrs 58 mins)	Battery life	2-cell 33 WHr (tablet) 6-cell 21WHr (keyboard)	4-cell 29.3WHr (tablet) (up to 8.5hrs) 2-cell 25WHr (keyboard) (up to 7 hrs)	36 WHr (tablet)	35WHr (tablet) (up to 8hrs) 26WHr (keyboard) (up to 4hrs)
Tablet - uSIM, Universal Jack KB Base - 2x USB 3.0, SD4.0	Input / output	Tablet: mSD; Universal Jack Keyboard: 2 USB 3.0	Tablet: 1xUSB3.0, mSD, Universal Jack Keyboard: 2xUSB 3.0, SD, RJ-45, Jack	Tablet: USB 3.0, mDP, mSD card slot, Universal Jack	Tablet: microHDMI, USB3.0, mSD Keyboard: USB3.0.
1x mDP	Video ports	1x mini DisplayPort, 1.2	1x DisplayPort, 1x VGA	N/A	1x mDisplayPort
Dual band Wi-Fi: 2x2 11ac	Wireless LAN	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN
Bluetooth 4.0, Intel WiDi, Miracast, Wigig	Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0
Optional 4G LTE moble broadband	Mobile Broadband	Optional 4G mobile broadband	Optional 3G or 4G mobile broadband	Optional 4G LTE mobile broadband	Optional 3G or 4G mobile broadband
Kensington lock slot	Physical security	Kensington lock slot	Kensington lock slot	N/A	N/A
TPM	Security chips	TPM	TPM	N/A	TPM
Optional Smartcard reader, Fingerprint reader	Authentication factors	Fingerprint reader, smart card reader	Smart card reader, optional fingerprint reader	N/A	Fingerprint Reader, Optional Smart Card Reader
"Dell Data Protection Security Tools & Encryption, Dell Controlvault	Security software	HP Client Security	HP Client Security	N/A	N/A
Tablet - 904.1g = 1.99lbs Clamshell - 1668.3g = 3.67lb"	Weight	Starting at 1.92 lb (tablet); Starting at 1.71 lb (power keyboard)	"Tablet - 2.22lbs/1.01kg Clamshell - 4.09lbs/1.86kg"	800g (1.76lbs)	Tablet - 795g/1.8lbs Tablet w/Ultrabook Pro KB - 1.7kg/3.7lbs
Tablet - 320mm * 206mm * 10.725mm Clamshell - 320 * 229.73 * 19.925mm	Size (metric)	297mm x 204mm x 21 in (tablet with power keyboard)	Tablet - 307x209.5x12.8mm Clamshell - 317x239.5x23.3mm	292.1mm x 201.4mm x 9.1mm	Tablet: 301.1 x 192.5 x 9.6mm Clamshell: 301.1 x 215.7 x 25.4mm
Tablet - 12.6in * 8in * .4in Clamshell - 12.6in * 9in * .78in	Size (US standard)	11.73 x 8.04 x 0.82 in (tablet with power keyboard)	Tablet - 12inx8inx.31 Clamshell - 12.5inx9.4inx.9in	11.5" x 7.93" x 0.36"	Tablet: 11.85inx 7.6in x .38in Clamshell: 11.85in x 8.46 x 1in

Dell Latitude 7000 Series 2-in-1 unique features:

- WiGig Connectivity
- Dell ControlVault chip and contactless smart card reader

Why Dell Latitude 7000 Series 2-in-1:

- Better connectivity

Why Dell Latitude 7000 Series 2-in-1:

- Thinner and lighter
- More storage options

Why Dell Latitude 7000 Series 2-in-1:

- Full security offerings
- Longer battery life

Why Dell Latitude 7000 Series 2-in-1:

- Thinner and lighter
- Longerbattery life

Latitude 12 5000 (E5250)

Thinner than ever: The Latitude 12 has a starting weight of just 2.7 lb (1.25kg) .

Manage the expected and the unexpected with the Latitude 5000 Series featuring Intel® Core™ processors, Microsoft Windows® 8 or Windows 7 Pro. It's the most manageable mainstream Latitude with optional Intel® vPro™ technology that allows exceptional control from remote loca- tions. A Full HD touch screen option fea- tures scratch-resistant Corning® Gorilla® Glass NBT™ to deliver bright viewing, vivid color and proven durability.

HP EliteBook 720 G2		HP EliteBook 820 G2		Lenovo X250	
5th generation Intel® Core™ i3, i5 or i7	Processor	5th generation Intel® Core™ i3, i5 or i7	5th generation Intel® Core™ i3, i5 or i7	5th generation Intel® Core™ i5 or i7	
Microsoft® Windows 7 & 8.1, Ubuntu	Operating System	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	
Intel HD 5500	Graphics	Intel HD 5500	Intel HD 5500	Intel HD Graphics 5500	
Up to 16 GB DDR3L memory (2 DIMM)	Memory	Up to 16 GB DDR3L memory (2 DIMM)	Up to 16 GB DDR3L memory (2 DIMM)	Up to 8 GB DDR3L memory (1 DIMM)	
12.5" HD or Full HD LED-backlit	Display	12.5" HD or Full HD LED-backlit	12.5" HD or Full HD LED-backlit	12.5" HD and Full HD panel options	
Touch with Full HD panel	Touch option	Touch with Full HD panel	Touch with Full HD panel	Touch with Full HD panel	
Up to 1TB 5400 rpm HDD	Hard drive option	Up to 1TB 5400 rpm HDD	Up to 1TB 5400 rpm HDD	Up to 1TB HDD	
Up to 512GB SSD	SSD option	Up to 512GB SSD	Up to 512GB SSD	Up to 512GB SSD	
External	Optical drive	None	None	None	
Backlit, single pointing	Keyboard	Backlit, dual pointing	Backlit, dual pointing	Backlit, single pointing	
Up to 13.9 hours with 4-cell	Battery life	Information not provided	Up to 12 hours battery life with 3-cell	Up to 5.2 hours with 3-cell (23WHr) optional 3 or 6 cell external batteries	
3x USB 3.0, RJ-45, SD	Input / output	3x USB 3.0, RJ-45, SD	3x USB 3.0, RJ-45, SD	2x USB 3.0, SD	
1x mini DisplayPort, 1x HDMI	Video ports	1x DisplayPort, 1x VGA	1x DisplayPort	1x mini DisplayPort, 1x VGA	
WLAN - up to 3x3 support	Wireless LAN	Intel 2x2 WLAN	Intel 2x2 WLAN	WLAN	
Bluetooth 4.0, WiGig option	Wireless connectivity	Bluetooth 4.0, NFC	Bluetooth 4.0, NFC	Bluetooth	
Optional 4G LTE mobile broadband	Mobile Broadband	Optional 4G mobile broadband	Optional 4G mobile broadband	Optional 4G mobile broadband	
Kensington lock slot	Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot	
TPM, Dell ControlVault™, optional Hardware Crypto Accelerator	Security chips	TPM	TPM	TPM	
Fingerprint, smart card, contactless smart card reader options	Authentication factors	Fingerprint reader, smart card reader	Fingerprint reader, smart card reader	Fingerprint reader, smart card reader	
Dell Data Protection | Encryption	Security software	Full volume encryption	Full volume encryption	No encryption software	
Starting at 1.56 kg / 3.44 lbs	Weight	Starting at 1.34 kg / 2.94 lbs	Starting at 1.34 kg / 2.94 lbs	Starting at 1.3 kg / 2.9 lbs	
310.5 x 213 x 22.7 mm	Size (metric)	310 x 215 x 21 mm	310 x 215 x 21 mm	305.5 x 208.5 x 20.3 mm	
12.2 x 8.4 x 0.9 in	Size (US)	12.2 x 8.48 x 0.83 in	12.2 x 8.48 x 0.83 in	12 x 8.21 x 0.80 in	
January 2015	Launch date	January 2015	January 2015	January 2015	

Dell Latitude 12 5000 unique features:

Dell Latitude 12 5000 is the only 12" commercial mainstream Ultrabook.

Dell Latitude E5250 offers more security features, in particular Dell ControlVault chip and contactless smart card reader.

Dell Latitude E5250 offers optional Dell WiGig docking connectivity.

Why Dell Latitude 12 5000:

- WiGig option
- More authentication factors
- Better security solution

Why Dell Latitude 12 5000:

- WiGig option
- More authentication factors
- Better security solution

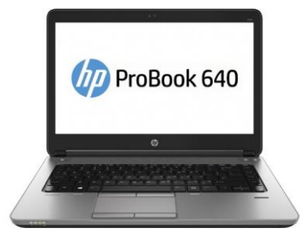
Why Dell Latitude 12 5000:

- WiGig option
- More authentication factors
- Better security solution

Latitude 14 5000 (E7450)

Thinner than ever: The Latitude 14 has a starting weight of just 3.98 lb (1.81kg).

Manage the expected and the unexpected with the Latitude 5000 Series featuring Intel® Core™ processors, Microsoft Windows® 8 or Windows 7 Pro. It's the most manageable mainstream Latitude with optional Intel® vPro™ technology that allows exceptional control from remote loca- tions. A Full HD touch screen option fea- tures scratch-resistant Corning® Gorilla® Glass NBT™ to deliver bright viewing, vivid color and proven durability.

Lenovo ThinkPad T450		Lenovo ThinkPad L450	HP EliteBook 740 G2	HP EliteBook 640 G2
				
5th generation Intel® Core™ i3, i5 or i7	Processor	5th generation Intel® Core™ i3, i5 or i7	5th generation Intel® Core™ i3, i5 or i7	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ i5 or i7
Microsoft® Windows 7 & 8.1, Ubuntu	Operating System	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1, Linux	Microsoft® Windows 7 & 8.1, Linux
Intel HD 5500 or nVidia GeForce	Graphics	Intel HD 5500 or nVidia GeForce	Intel HD 5500 or AMD	Intel HD Graphics 5500	Intel HD 5500 or AMD Radeon
Up to 16 GB DDR3L memory (2 DIMM)	Memory	Up to 16 GB DDR3L memory (2 DIMM)	Up to 16 GB DDR3L memory (2 DIMM)	Up to 16 GB DDR3L memory (2 DIMM)	Up to 16 GB DDR3L memory (2 DIMM)
14" HD, HD+ or Full HD LED-backlit	Display	14" HD or HD+ LED-backlit	14" HD or Full HD LED-backlit	14" HD, HD+ (1600x900) or Full HD	14" HD, HD+ (1600x900) or Full HD
Optional touch with Full HD panel	Touch option	Optional touch	N.A.	Optional touch with Full HD	Optional touch with Full HD
Up to 1TB SATA 5400 rpm HDD	Hard drive option	Up to 500GB SATA 7200 rpm HDD	Up to 1TB SATA 5400 rpm HDD	Up to 1TB SATA 5400 rpm HDD	Up to 1TB SATA 5400 rpm HDD
Up to 512GB SSD	SSD option	Up to 256GB SSD	Up to 360GB SSD	Up to 512GB SSD	Up to 256GB SSD
External	Optical drive	None	None	None	None
Backlit, dual pointing	Keyboard	Backlit, dual pointing	Non-backlit, Single pointing	Optional backlit	Optional backlit
Up to 14.5 hours with 4-cell	Battery life	Up to 10 hours battery life with 3+3 cell	Up to 5.2 hours battery life with 3 cell	Information not available	Information not available
3x USB 3.0, SD/MMC, RJ-45	Input / output	3x USB 3.0, SD, RJ-45	3x USB 3.0, SD, RJ-45	4x USB 3.0, SD, RJ-45	3x USB 3.0, SD, RJ-45
1x HDMI, 1x VGA	Video ports	1x mini DisplayPort, 1x VGA	1x mini DisplayPort, 1x VGA	1x DisplayPort, 1x VGA	1x DisplayPort, 1x VGA
WLAN - up to 3x3 support	Wireless LAN	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN
Bluetooth 4.0, WiGig option	Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0, NFC	Bluetooth 4.0, NFC
Optional 4G LTE mobile broadband	Mobile Broadband	Optional 4G mobile broadband	Optional 4G mobile broadband	Optional 4G LTE mobile broadband	Optional 4G LTE mobile broadband
Kensington lock slot	Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot	Kensington lock slot
TPM, Dell ControlVault™, optional Hardware Crypto Accelerator	Security chips	TPM	TPM	TPM	TPM
Fingerprint, smart card, contactless smart card reader	Authentication factors	Fingerprint reader, smart card reader	Fingerprint reader, smart card reader	Fingerprint reader, smart card reader	Fingerprint reader
Dell Data Protection | Encryption	Security software	Third party software	Third party software	Full volume encryption	Full volume encryption
Starting at 1.81 kg / 3.98 lbs	Weight	Starting at 1.73 kg / 3.81 lbs with 3+3 cell	Starting at 1.93 kg / 4.25 lbs	Starting at 1.58 kg / 3.48 lbs	Starting at 2 kg / 4.4 lbs
334.9 x 231.1 x 22.8 mm	Size (metric)	339 x 232.5 x 21 mm	339 x 235 x 24.3 mm	339 x 237 x 21 mm	340 x 237 x 25 mm
13.2 x 9.1 x 0.9 in	Size (US)	13.35 x 9.15 x 0.83 in	13.3 x 9.3 x 0.9 in	13.35 x 9.15 x 0.83 in	13.39 x 9.33 x 0.99 in
January 2015	Launch date	January 2015	January 2015	January 2015	January 2015

Dell Latitude 14 5000 unique features:

Dell Latitude E5450 offers more security features, in particular Dell ControlVault chip and contactless smart card reader.

Dell Latitude E5450 offers optional Dell WiGig docking connectivity.

Why Dell Latitude 14 5000:

- Up to 512GB SSD
- Full HD panel option
- Better battery life
- WiGig option
- More authentication factors
- Better security solution

Why Dell Latitude 14 5000:

- Up to 512GB SSD
- Better battery life
- WiGig option
- More authentication factors
- Better security solution

Why Dell Latitude 14 5000:

- WiGig option
- More authentication factors
- Better security solution

Why Dell Latitude 14 5000:

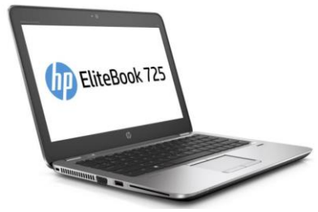
- WiGig option
- More authentication factors
- Better security solution

NEW Latitude 14 5000 (E5470)

Thinner than ever: The Latitude 14 has a starting weight of just 3.68 lb (1.70kg).

Manage the expected and the unexpected with the Latitude 5000 Series featuring Intel® Core™ processors, Microsoft Win- dows® 8 or Windows 7 Pro. It's the most manageable mainstream Latitude with op- tional Intel® vPro™ technology that allows exceptional control from remote loca- tions. A Full HD touch screen option fea- tures scratch-resistant Corning® Gorilla® Glass NBT™ to deliver bright viewing, vivid color and proven durability.

HP EliteBook 745 G3



Latitude E5470		HP EliteBook 745 G3 Notebook PC
Oct 15 (Quad Core), Jan 16 (Dual Core)	**Launch Date**	September 2015
Intel 6th generation i3/i5/i7 (Dual Core), i5/i7 (Quad Core)	**CPU**	AMD PRO A8, A10, A12 (Quad Core)
Microsoft Windows 7/8.1/10, Ubuntu, Neokylin	**OS**	Microsoft Windows 7/8.1/10, Neokylin, FreeDOS 2.0
Intel HD Graphics (Dual/Quad Core), AMD Radeon 64 bit (Quad Core) 2GB	**Graphics**	AMD Radeon R6/R7
Up to 16 GB DDR4, (2 DIMM)	**Memory**	DDR3L, 1600Mhz, 2 DIMMS, up to 16GB
14.0" HD (1366 x 768), FHD (1920 x 1080), optional touch FHD w/ GG, HD+ (1600 X 900)	**Display**	12.5" HD (1366 x 768), FHD (1920 x 1080), QHD (2560 x 1440), optional touch FHD
Optional touch on FHD	**Touch Option**	Optional touch on FHD
Up to 1 TB 5400 rpm HDD, up to 500 GB 7200 rpm HDD, Hybrid and OPAL SED FIPS options	**Hard Drive option**	Up to 1 TB 5400 rpm HDD, up to 500 GB 7200 rpm HDD, Hybrid, OPAL SED FIPS and SED OPAL options
2.5" SSD up to 512 GB, M.2 SATA up to 512GB-OPAL SED option, M.2 PCIe/NVME up to 512GB	**SSD option**	M.2 SATA up to 256GB (up to 512GB Dec PRTS), SED OPAL options, 256GB NVMe (PRTS Dec)
External	**Optical Drive**	External
Spill resistant; single pointing non backlit or Dual pointing backlit	**Keyboard**	Spill resistant, dual pointing optional backlit
47Whr (U-UMA only), 62Whr, 62Whr LLC, up to 12 hours (62Whr with SSD, est.)	**Battery Life**	46Whr long life, Up to 8 hours and 15 minutes (3-cell, 46 WHr) (models with SSD)
3 x USB 3.0 (one powered), RJ-45, SD, headphone/mic jack, docking connector, AC port, Smart Card (optional), E-docking, external uSIM (optional)	**I/O**	USB 3.0 (1 charging port, 1 x 3.0, 1x basic type c) RJ-45 (drop jaw), SD, headphone/mic combo, docking connector, AC port, external micro SIM
VGA, HDMI 1.4	**Video Ports**	VGA, display port
Qualcomm, Intel, Braodcomm (2x2)	**Wireless LAN**	Realtek (1X1), Broadcom (2X2), Intel (2X2)
BT 4.1, no BT option, WiGig	**Wireless connectivity**	BT 4.0/4.1, no BT option
Optional LTE (regional HSPA+)	**Mobile Broadband**	LTE, HSPA+
Lock slot	**Physical Security**	Lock slot
TPM, ControlVault, optional Hardware Crypto Accelerator	**Security Chips**	TPM 1.2/2.0 (upgradable from 1.2 to 2.0)
Touch finger print, contacted smart card reader, contactless smart card reader	**Authentication Factors**	Optional fingerprint reader, integrated smart card reader
DDP|ST, DDP|Workspace (1 yr subscription), Computrace (optional), DDP|Encryption (optional), DDP|Endpoint Security (optional)	**Security Software**	HP BIOShere, Sure Start, DriveLock, BIOS protection, Drive Encryption, Security Manager, etc
Intel vPro	**Systems Management**	HP Options, LANDESK
E-Docking, WiGig docking	**Docking**	Ultra slim docking station
3.68 lbs. / 1.70 kg (dual core)	**Starting weight**	3.41 lbs. / 1.54 kg
13.2"x0.9"x9.1" (dual core)	**Dimensions (in)**	13.3"x0.74"x9.3"
334.9x23.2x231.1mm (dual core)	**Dimensions (mm)**	33.8x1.89x23.7 (cm)

Dell Latitude 14 5000 unique features:

Dell Latitude E5470 offers both Intel U and H class CPU

Dell Latitude E5470 offers more security features, in particular Dell ControlVault chip and contactless smart card reader.

Dell Latitude E5470 offers optional Dell WiGig docking connectivity.

Why Dell Latitude 14 5000:

- Intel U or H class CPU
- DDR4 memory
- 2x2 Wireless LAN cards
- Full touch fingerprint reader
- WiGig option
- Gorilla Glass touch panels
- More authentication factors
- Better security solution
- vPro systems mgmt

Latitude 15 5000 (E5550)

Thinner than ever: The Latitude 15 has a starting weight of just 3.4 lb (1.54kg) .

Manage the expected and the unexpected with the Latitude 5000 Series featuring Intel® Core™ processors, Microsoft Windows® 8 or Windows 7 Pro. It's the most manageable mainstream Latitude with optional Intel® vPro™ technology that allows exceptional control from remote loca- tions. A Full HD touch screen option fea- tures scratch-resistant Corning® Gorilla® Glass NBT™ to deliver bright viewing, vivid color and proven durability.

Lenovo ThinkPad T550		HP EliteBook 750 G2		HP EliteBook 850 G2	
5th generation Intel® Core™ i3, i5 or i7	Processor	5th generation Intel® Core™ i5 or i7		5th generation Intel® Core™ i3, i5 or i7	Processor	5th generation Intel® Core™ i3, i5 or i7	
Microsoft® Windows 7 & 8.1, Ubuntu	Operating System	Microsoft® Windows 7 & 8.1		Microsoft® Windows 7 & 8.1, Ubuntu	Operating System	Microsoft® Windows 7 & 8.1, Ubuntu	
Intel HD 5500 or nVidia GeForce	Graphics	Intel HD 5500 or nVidia		Intel HD 5500	Graphics	Intel HD 5500 or AMD	
Up to 16 GB DDR3L memory (2 DIMM)	Memory	Up to 16 GB DDR3L memory (2 DIMM)		Up to 16 GB DDR3L memory (2 DIMM)	Memory	Up to 16 GB DDR3L memory (2 DIMM)	
15.6" HD or Full HD LED-backlit	Display	15.6" HD or Full HD		15.6" HD or Full HD	Display	15.6" HD or Full HD	
Optional touch with both panels	Touch option	Optional touch		Optional touch with Full HD panel	Touch option	Optional touch with Full HD panel	
Up to 1TB SATA 5400 rpm HDD	Hard drive option	Up to 500GB 7200 rpm HDD		Up to 1TB SATA 5400 rpm HDD	Hard drive option	Up to 1TB SATA 5400 rpm HDD	
Up to 512GB SSD	SSD option	Up to 256GB SSD		Up to 512GB SSD	SSD option	Up to 512GB SSD	
External	Optical drive	None		None	Optical drive	None	
Backlit, dual pointing	Keyboard	Backlit		Backlit, dual pointing	Keyboard	Backlit, dual pointing	
Up to 12 hours with 4-cell	Battery life	Up to 14.8 h battery life with 3+3 cell		Up to 12.25 hours battery life with 3-cell	Battery life	Up to 12.25 hours battery life with 3-cell	
3x USB 3.0, SD/MMC, RJ-45	Input / output	3x USB 3.0, RJ-45, SD		4x USB 3.0, RJ-45, SD	Input / output	4x USB 3.0, RJ-45, SD	
1x HDMI, 1x VGA	Video ports	1x mini DisplayPort, 1x VGA		1x DisplayPort	Video ports	1x DisplayPort	
WLAN - up to 3x3 support	Wireless LAN	Intel 2x2 WLAN		Intel 2x2 WLAN	Wireless LAN	Intel 2x2 WLAN	
Bluetooth 4.0, WiGig option	Wireless connectivity	Bluetooth 4.0		Bluetooth 4.0, optional NFC	Wireless connectivity	Bluetooth 4.0, optional NFC	
Optional 4G LTE mobile broadband	Mobile Broadband	Optional 4G mobile broadband		Optional 4G mobile broadband	Mobile Broadband	Optional 4G mobile broadband	
Kensington lock slot	Physical security	Kensington lock slot		Kensington lock slot	Physical security	Kensington lock slot	
TPM, Dell ControlVault™, optional Crypto Accelerator	Security chips	TPM		TPM	Security chips	TPM	
Fingerprint, smart card, contactless smart card reader	Authentication factors	Fingerprint reader, smart card reader		Fingerprint reader, smart card reader	Authentication factors	Fingerprint reader, smart card reader	
Dell Data Protection | Encryption	Security software	No encryption software		Full volume encryption	Security software	Full volume encryption	
Starting at 2.15 kg / 4.71 lbs	Weight	Starting at 2.13 kg / 4.70 lbs with 3+3cell		Starting at 1.83 kg / 4.02 lbs	Weight	Starting at 1.83 kg / 4.02 lbs	
377 x 255 x 23.5 mm	Size (metric)	380.6 x 258.2 x 22.45 mm		375.5 x 253.6 x 21.4 mm	Size (metric)	375.5 x 253.6 x 21.4 mm	
14.8 x 10.1 x 0.9 in	Size (US)	14.98 x 10.17 x 0.88 in		14.78 x 9.98 x 0.98 in	Size (US)	14.78 x 9.98 x 0.98 in	
January 2015	Launch date	January 2015		January 2015	Launch date	January 2015	

Dell Latitude 15 5000 unique features:

Dell Latitude E5550 offers more security features, in particular Dell ControlVault chip and contactless smart card reader.

Dell Latitude E5550 offers optional Dell WiGig docking connectivity.

Why Dell Latitude 15 5000:

- Optional WiGig connectivity
- More authentication factors
- Better security solution

Why Dell Latitude 15 5000:

- Optional WiGig connectivity
- More authentication factors
- Better security solution

Why Dell Latitude 15 5000:

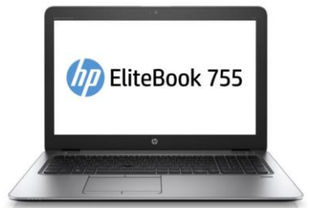
- Optional WiGig connectivity
- More authentication factors
- Better security solution

NEW Latitude 15 5000 (E5570)

Thinner than ever: The Latitude 15 has a starting weight of just 4.4lb (1.98kg) .

Manage the expected and the unexpected with the Latitude 5000 Series featuring Intel® Core™ processors, Microsoft Windows® 8 or Windows 7 Pro. It's the most manageable mainstream Latitude with optional Intel® vPro™ technology that allows exceptional control from remote loca- tions. A Full HD touch screen option fea- tures scratch-resistant Corning® Gorilla® Glass NBT™ to deliver bright viewing, vivid color and proven durability.

HP EliteBook 755 G3



Latitude E5570		HP EliteBook 755 G3 Notebook PC
Oct 15 (Quad Core), Jan 16 (Dual Core)	**Launch Date**	September 2015
Intel 6th generation i3/i5/i7 (Dual Core), i5/i7 (Quad Core)	**CPU**	AMD PRO A8, A10, A12 (Quad Core)
Microsoft Windows 7/8.1/10, Ubuntu, Neokylin	**OS**	Microsoft Windows 7/8.1/10, Neokylin, FreeDOS 2.0
Intel HD Graphics (Dual/Quad Core), AMD Radeon 128 bit (Quad Core) 2GB	**Graphics**	AMD Radeon R6/R7
Up to 16 GB DDR4, (2 DIMM)	**Memory**	DDR3L, 1600Mhz, 2 DIMMS, up to 16GB
15.6" HD (1366 x 768), FHD (1920 x 1080), optional Touch FHD	**Display**	12.5" HD (1366 x 768), FHD (1920 x 1080), optional touch FHD
Optional touch on FHD	**Touch Option**	Optional touch on FHD
Up to 1 TB 5400 rpm HDD, up to 500 GB 7200 rpm HDD, Hybrid and OPAL SED FIPS options	**Hard Drive option**	Up to 1 TB 5400 rpm HDD, up to 500 GB 7200 rpm HDD, Hybrid, OPAL SED FIPS and SED OPAL options
2.5" SSD up to 512 GB, M.2 SATA up to 512GB-OPAL SED option, M.2 PCIe/NVME up to 512GB	**SSD option**	M.2 SATA up to 256GB (up to 512GB Dec PRTS), SED OPAL options, 256GB NVMe (PRTS Dec)
External	**Optical Drive**	External
Spill resistant; dual pointing, backlit/non backlit	**Keyboard**	Spill resistant, dual pointing optional backlit
47Whr (U-UMA only), 62Whr, 62Whr LLC, 84Whr (15H), 84 Whr LLC (15H), up to 10 hours (62Whr with SSD, est.)	**Battery Life**	46Whr long life, Up to 8 hours and 15 minutes (3-cell, 46 WHr) (models with SSD)
3 x USB 3.0 (one powered), RJ-45, SD, headphone/mic jack, docking connector, AC port, Smart Card (optional), E-docking, external uSIM (optional), Thunderbolt™ 3 (optional)	**I/O**	USB 3.0 (1 charging port, 1 x 3.0, 1x basic type c) RJ-45 (drop jaw), SD, headphone/mic combo, docking connector, AC port, external micro SIM
VGA, HDMI 1.4	**Video Ports**	VGA, display port
Qualcomm, Intel, Braodcomm (2x2)	**Wireless LAN**	Realtek (1X1), Broadcom (2X2), Intel (2X2)
BT 4.1, no BT option, WiGig	**Wireless connectivity**	BT 4.0/4.1, no BT option
Optional LTE (regional HSPA+)	**Mobile Broadband**	LTE, HSPA+
Lock slot	**Physical Security**	Lock slot
TPM, ControlVault, optional Hardware Crypto Accelerator	**Security Chips**	TPM 1.2/2.0 (upgradable from 1.2 to 2.0)
Touch finger print (FIPS optional), contacted smart card reader, contactless smart card reader	**Authentication Factors**	Optional fingerprint reader, integrated smart card reader
DDP|ST, DDP|Workspace (1 yr subscription), Computrace (optional), DDP|Encryption (optional), DDP|Endpoint Security (optional)	**Security Software**	HP BIOShere, Sure Start, DriveLock, BIOS protection, Drive Encryption, Security Manager, etc
Intel vPro	**Systems Management**	HP Options, LANDESK
E-Docking, WiGig docking, Dell Dock (optional), Dell Thunderbolt™ Dock (optional)	**Docking**	Ultra slim docking station
4.37 lbs. / 1.98 kg (dual core)	**Starting weight**	4.15 lbs. / 1.88 kg
14.8"x0.9"x9.9" (dual core)	**Dimensions (in)**	15.09"x0.76"x10.10"
377.1x23.8x252.6mm (dual core)	**Dimensions (mm)**	38.33x1.94x25.77 (cm)

Dell Latitude 15 5000 unique features:

Dell offers both Intel U and H class CPUs

Dell Latitude E5570 offers more security features, in particular Dell ControlVault chip and contactless smart card reader.

Dell Latitude E5570 offers optional Dell WiGig docking connectivity.

Why Dell Latitude 15 5000:

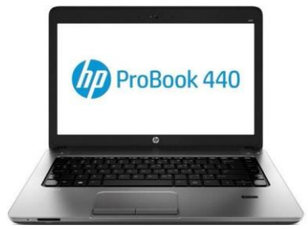
- Intel U or H class CPU
- Type C docking solution
- DDR4 memory
- 2x2 Wireless LAN cards
- Full touch fingerprint reader
- WiGig option
- Gorilla Glass touch panels
- More authentication factors
- Better security solution
- vPro systems mgmt

Latitude 14 3000 (3450)

Performance you can rely on.

For small and growing business professionals who want a secure, easily managed and reliable laptop with strong performance for everyday productivity.

The new Latitude 14 3000 Series is thinner and lighter than ever before, and features the latest generation of Intel® Core™ processors and Windows 7 Professional or Windows 8.1. Work from anywhere with the optional 4-cell battery and a host of connectivity options.

Lenovo ThinkPad E460	HP ProBook 440 G3
	

Dell Latitude 3000 Series Latitude 3450		Lenovo Thinkpad E460	HP ProBook 440 G3 Series
5th generation Intel® Celeron, Pentium, Core™ i3, i5 or i7	**Processor**	6th Generation Intel® Core™ I & Celeron(E560 only)	Up to 6th Generation Intel® Core™ i7 configurations or 6th Generation AMD A-Series
Microsoft® Windows 7, 8.1, 10 & Ubuntu, Linux	**Operating System**	Windows 7, Windows 10	Microsoft® Windows 7, 8.1, 10 & FreeDOS 2.0
Intel® Integrated HD Graphics (Celeron) Intel® Integrated HD Graphics 4400 (Core x - 4th Gen) Intel® Integrated HD Graphics 5500 (Core x - 5th Gen) Nvidia® GeForce® 830M	**Graphics**	Intel® HD Graphics AMD Radeon™ R5 M330 2 GB / AMD Radeon™ R7 M360 2 GB (E460 only)	Intel® Integrated HD Graphics 520 (Core x - 6th Gen) No Discrete Graphics options available
Up to 16 GB DDR3L memory (2 DIMM)	**Memory**	Up to 16 GB DDR3L	Up to 16 GB DDR3L
HD (1366 x 768) Anti Glare (16:9) WLED FHD (1920 x 1080) Anti Glare (16:9) WLED	**Display**	HD (1366 x 768) Anti-Glare FHD (1920 x 1080) Anti-Glare	HD (1366 x 768) Anti-Glare FHD (1920 x 1080) Anti-Glare
Optional HD touch with Corning Gorilla Glass	**Touch option**	None	Optional HD touch with non-Gorilla Glass
Up to 1TB 5400 rpm 8GB Cache SSHD	**Hard drive option**	up to 1TB 5400rpm HDD	up to 1TB 5400rpm HDD
Up to 128GB SSD	**SSD option**	192GB SSD	Up to 256GB SSD
Optional External Only	**Optical drive**	None	14" Optional external only available
Optional Backlit	**Keyboard**	Thinpad® Keyboard	14" - 81/82 island-style backlit travel keyboard; Full-sized, spill-resistant backlit keyboard (optional)
Up to 4-cell/58Whr battery	**Battery life**	Up to 9hrs	Up to with 6-cell/55Whr battery
2xUSB 3.0, 1xUSB 2.0, SD Card Reader, RJ-45	**Input / output**	3 x USB3.0, 1x HDMI, 4-1 Card Reader	2 x USB3.0, 1 x USB 2.0 (power port), SD Card Reader
.92mp HD Webcam	**Camera**	Integrated HD Webcam	720p HD Webcam
1xVGA, 1xHDMI	**Video ports**	No VGA, 1xHDMI	1xVGA, 1xHDMI
Dell Wireless 1707 bgn 1x1 or Intel 7265 AGN 2x2	**Wireless LAN**	WiFi Combo Card	Realtek 802.11 b/g/n (1x1); Realtek 802.11 b/g/n (1x1) and Bluetooth 4.0 combo; Broadcom 802.11 b/g/n (1x1) and Bluetooth 4.0 combo; Broadcom 802.11 a/b/g/n (2x2) and Bluetooth 4.0 combo; Intel Dual Band Wireless-AC 3160 802.11 a/b/g/n/ac (1x1) and Bluetooth 4.0 combo; Intel Dual Band Wireless-AC 3165 802.11 a/b/g/n/ac (1x1) and Bluetooth 4.0 combo; Intel Dual Band Wireless-AC 8260 802.11 a/b/g/n/ac (2x2) and Bluetooth 4.2 combo
Bluetooth 4.0	**Wireless connectivity**	Bluetooth® 4.1 or 4.0	Bluetooth® 4.0
NA	**Mobile Broadband**	NA	NA
Kensington® Lock	**Physical security**	Kensington® Lock	Kensington® Lock
No TPM	**Security chips**	No TPM	TPM
Optional Fingerprint reader	**Authentication factors**	Optional Fingerprint Reader	Optional Fingerprint Reader
Dell Data Protection | Encryption	**Security software**		
3450 : 4.2lbs / 1.9 kg (entry battery)	**Starting Weight**	E460 : Starting at 4.2 lbs (1.9 kg)	440 : 3.69 lbs / 1.68 kg (entry battery)
3450 : 342 x 245.9 x 22.2 mm (non-touch)	**Size (metric)**	E460 :339 x 239 x 21.8~22.9mm (Aluminum) / 339 x 239 x 22.1~24.4mm (Plastic)	440: 339.2 x 244.0 x 20.9mm (non-touch) / 339.2 x 244.2 x 22.5mm (touch)
3450 : 13.46 x 9.68 x 0.87 in (non-touch)	**Size (US)**	E460 13.35" x 9.41" x 0.86"~0.90" (Aluminum)/ 13.35" x 9.41" x 0.87"~0.96" (Plastic)	440: 13.35 x 9.61 x .83 in (non-touch) / 13.35 x 9.61 x .89 in (touch)
January 2015	**Launch date**	November 2015	October 2015

Dell Latitude 14 3000 unique features:

- No WLAN AC option
- No WWAN option
- No TPM
- No Optical Drive

Why Dell Latitude 14 3000:

- Longer battery life with optional Power Companion
- VGA not available on E450

Why Dell Latitude 14 3000:

- Longer battery life with optional Power Companion

Latitude 15 3000 (3550)

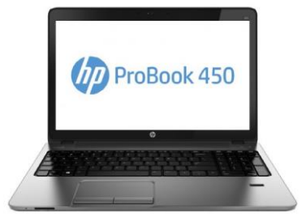
Performance you can rely on.

For small and growing business professionals who want a secure, easily managed and reliable laptop with strong performance for everyday productivity.

The new Latitude 15 3000 Series is thinner and lighter than ever before and features the latest generation of Intel® Core™ processors and Windows 7 Professional or Windows 8.1. Work from anywhere withup to 9 hours of battery life with the optional 4-cell battery and a host of connectivity options.

Lenovo ThinkPad E560

HP ProBook 450 G3



Dell Latitude 3000 Series Latitude 3550				Lenovo Thinkpad E560		HP ProBook 450 G3 Series
5th generation Intel® Celeron, Pentium, Core™ i3, i5 or i7		**Processor**		6th Generation Intel® Core™ I & Celeron(E560 only)		Up to 6th Generation Intel® Core™ i7 configurations or 6th Generation AMD A-Series
Microsoft® Windows 7, 8.1, 10 & Ubuntu, Linux		**Operating System**		Windows 7, Windows 10		Microsoft® Windows 7, 8.1, 10 & FreeDOS 2.0
Intel® Integrated HD Graphics (Celeron) Intel® Integrated HD Graphics 4400 (Core x - 4th Gen) Intel® Integrated HD Graphics 5500 (Core x - 5th Gen) Nvidia® GeForce® 830M		**Graphics**		Intel® HD Graphics AMD Radeon™ R7 M370 2 GB GDDR5 (E560 only)		Intel® Integrated HD Graphics 520 (Core x - 6th Gen) No Discrete Graphics options available
Up to 16 GB DDR3L memory (2 DIMM)		**Memory**		Up to 16 GB DDR3L		Up to 16 GB DDR3L
HD (1366 x 768) Anti Glare (16:9) WLED FHD (1920 x 1080) Anti Glare (16:9) WLED		**Display**		HD (1366 x 768) Anti-Glare FHD (1920 x 1080) Anti-Glare		HD (1366 x 768) Anti-Glare FHD (1920 x 1080) Anti-Glare
Optional HD touch with Corning Gorilla Glass		**Touch option**				Optional HD touch with non-Gorilla Glass
Up to 1TB 5400 rpm 8GB Cache SSHD		**Hard drive option**		up to 1TB 5400rpm HDD		up to 1TB 5400rpm HDD
Up to 128GB SSD		**SSD option**		192GB SSD		Up to 256GB SSD
Optional External Only		**Optical drive**		None		15.6" - Blu-ray ROM DVD+/-RW; DVD +/-RW; DVD-ROM; No optical drive option available
Optional Backlit 15" w/Keypad		**Keyboard**		Thinpad® Keyboard		15" - HP Premium w/Numpad
Up to 4-cell/58Whr battery		**Battery life**		Up to 9hrs		Up to with 6-cell/55Whr battery
2xUSB 3.0, 1xUSB 2.0, SD Card Reader, RJ-45		**Input / output**		3 x USB3.0, 1x HDMI, 4-1 Card Reader optional Intel® RealSense™ 3D Camera (E560 only)		2 x USB3.0, 1 x USB 2.0 (power port), SD Card Reader
.92mp HD Webcam		**Camera**		Optional Intel RealSense 3D Camera (E560 only)		720p HD Webcam
1xVGA, 1xHDMI		**Video ports**		1xHDMI, 1xVGA (E560 only)		1xVGA, 1xHDMI
Dell Wireless 1707 bgn 1x1 or Intel 7265 AGN 2x2		**Wireless LAN**		WiFi Combo Card		Realtek 802.11 b/g/n (1x1); Realtek 802.11 b/g/n (1x1) and Bluetooth 4.0 combo; Broadcom 802.11 b/g/n (1x1) and Bluetooth 4.0 combo; Broadcom 802.11 a/b/g/n (2x2) and Bluetooth 4.0 combo; Intel Dual Band Wireless-AC 3160 802.11 a/b/g/n/ac (1x1) and Bluetooth 4.0 combo; Intel Dual Band Wireless-AC 3165 802.11 a/b/g/n/ac (1x1) and Bluetooth 4.0 combo; Intel Dual Band Wireless-AC 8260 802.11 a/b/g/n/ac (2x2) and Bluetooth 4.2 combo
Bluetooth 4.0		**Wireless connectivity**		Bluetooth® 4.1 or 4.0		Bluetooth® 4.0
NA		**Mobile Broadband**		NA		NA
Kensington® Lock		**Physical security**		Kensington® Lock		Kensington® Lock
No TPM		**Security chips**		No TPM		TPM
Optional Fingerprint reader		**Authentication factors**		Optional Fingerprint Reader		Optional Fingerprint Reader
Dell Data Protection | Encryption		**Security software**				
3550 : 4.78 lbs / 2.17kg (entry battery)		**Starting Weight**		E560 : Starting at 5.2 lbs (2.3 kg)		450 : 4.74 lbs / 2.15 kg (entry battery)
3550 : 380.4 x 259 x 22.3 mm (non-touch)		**Size (metric)**		E560 : 377 x 255 x 23.8~27.1mm		450: 378.0 x 264.3 x 24.8mm (non-touch) / 378.0 x 264.6 x 26.5mm (touch)
3550 : 14.98 x 10.19 x 0.88 in (non-touch)		**Size (US)**		E560 - 14.84" x 10.03" x 0.94"~1.07"		450: 14.88 x 10.41 x .98 in (non-touch) / 14.88 x 10.42 x 1.04 in (touch)
January 2015		**Launch date**		November 2015		October 2015

Dell Latitude 15 3000 unique features:

- No WLAN AC option
- No WWAN option
- No TPM
- No Optical Drive

Why Dell Latitude 15 3000:

- Longer battery life with optional Power Companion
- VGA not available on E550

Why Dell Latitude 15 3000:

- Longer battery life with optional Power Companion

NEW Precision 15 7000 Series (7510) – pg. 1 of 2

The world's most powerful 15" Workstation.

The Dell Precision 15 7000 Series is the most powerful 15" workstation with powerful features, up to 3TB storage, ISV certifications and PremierColor 4K display options. The patent-pending thermal solution allows you to run the most intensive tasks without dropping out of turbo mode.

NEW Dell Precision 15 7000 Series	Dell Precision M4800	Lenovo ThinkPad W541	Lenovo ThinkPad W550s	Lenovo ThinkPad P50 – Announced Expected shipping CY Q4 2015
Up to Intel® Core™ Xeon™ E3-1575M v5	Up to Intel® Core™ i7-4940MX	Up to Intel® Core™ i7-4940MX		Up to Intel® Core™ Xeon™ TBA
	Up to Intel® Core™ i7-4610M	Up to Intel® Core™ i7-4600M	Up to Intel Core i7-5600U Processor	Microsoft® Windows 7, 8.1, 10, Red Hat, Ubuntu
Microsoft® Windows 7, 8.1, 10, Red Hat, Ubuntu	Microsoft® Windows 7 & 8.1, Red Hat	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1	Nvidia Quadro TBA
AMD FirePro W5170M 2GB Up to Nvidia M2000M 4GB	AMD FirePro™ M5100 2GB NVIDIA Quadro K1100M or K2100M 2GB	NVIDIA Quadro K1100M or K2100M 2GB	NVIDIA Quadro K620 2GB	
Up to 64GB DDR4 2133MHz (32GB ECC) Up to 32GB DDR4 2667MHz	Up to 16GB 1866MHz DDR3L Up to 32GB 1600MHz DDR3L	Up to 32GB 1600MHz DDR3L	Up to 16GB 1600MHz DDR3L	Up to 64GB DDR4 2133MHz
15.6" FHD, FHD IPS, FHD IPS touch, UHD with PremierColor	15.6" HD, Full HD or UHD+ LED-backlit	15.6" FHD or 15.5" 3k-IPS LED-backlit	15.6" FHD or 15.5" 3k-IPS LED-backlit	15.6" FHD IPS, UHD IPS
FHD IPS	N.A.	N.A.	Optional capacitive 10 finger touch	FHD IPS
Up to 2TB 5400 rpm	Up to 1TB SATA 5400 rpm HDD	Up to 500GB SATA 7200 rpm HDD	Up to 500GB SATA 7200 rpm HDD	Up to 2TB 5400 rpm
Up to 1TB M.2 PCIe + 1TB 2.5" SATA	Up to 1TB SSD & 1TB mSATA SSD	Up to 512GB SSD & 16GB M2 SSD	Up to 512GB SSD & 16GB M2 SSD	Up to 1TB M.2 PCIe + 1TB 2.5" SATA
None	DVD, DVD+/-RW or Blu-ray Disc™ writer	None	None	None
Backlit option, dual pointing	Backlit option, dual pointing	Backlit option, dual pointing	Backlit option, dual pointing	Backlit option, dual pointing
6-cell (72 Wh) or (91 Wh)	6-cell (65 Wh) or 9-cell (97Wh)	6-cell (56 Wh) or 9-cell (99Wh)	3-cell (44 Wh) integrated + external	4-cell (66 Wh) or 6-cell (90Wh)
E-dock, Thunderbolt 3, 4x USB 3.0, SD, Headset, RJ-45	4x USB 3.0, SD, RJ-45, ExpressCard	2x USB 3.0, 2x USB 2.0, SD, RJ-45	2x USB 3.0, 2x USB 2.0, SD, RJ-45	Dock, Thunderbolt 3, 4x USB 3.0, SD, Headset
miniDisplayPort, HDMI, Thunderbolt 3	1x DisplayPort, 1x HDMI, 1x VGA	1x DisplayPort, 1x VGA, 1x Thunderbolt	1x DisplayPort, 1x VGA, 1x Thunderbolt	miniDisplayPort, HDMI
Up to Dell 3x3 802.11ac (Miracast)	Up to Intel 3x3 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 802.11ac
Bluetooth 4.1, NFC	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.1
Optional 4G LTE mobile broadband	Optional 4G LTE mobile broadband	Optional 4G mobile broadband	Optional 4G mobile broadband	Optional 4G LTE mobile broadband
Kensington lock slot	Kensington lock slot	Kensington lock slot	Kensington lock slot	Kensington lock slot
TPM 1.2 and 2.0	TPM	TPM	TPM	TBA
Fingerprint, smart card, contactless smart card reader	Fingerprint, smart card, contactless smart card reader	Fingerprint reader, smart card reader option	Fingerprint reader, smart card reader option	Fingerprint reader, smart card reader
Dell Data Protection	Dell Data Protection	Third party software	Third party software	Third party software
Starting at 2.79kg (6.16lb)	Starting at 2.88 kg / 6.35 lbs	Starting at 1.73 kg / 5.57 lbs	Starting at 1.93 kg / 4.78 lbs	Starting at 5.6 lbs (2.5 kg)
378 x 261 x 27.8 mm	376.7 x 256 x 39.9 mm	376.6 x 248.1 x 29.5 mm	380.6 x 258.2 x 22.45 mm	377.4 x 252.3 x 24.5 mm
14.88 x 10.38 x 1.1 in.	14.83 x 10.08 x 1.57 in	13.35 x 9.15 x 0.83 in	13.3 x 9.3 x 0.9 in	14.86 x 9.93 x 0.96 in.
Energy Star 6.1, EPEAT	Energy Star & EPEAT Gold	Energy Star 6 & EPEAT Gold	Energy Star 6 & EPEAT Gold	Energy Star 6.1, EPEAT

Where Dell 7510 wins:

- Dell Precision Optimizer with remote management capabilities (SCCM integration)
- 4th generation dual fans highest frequencies available to their CPU for 3x longer than the competition (estimated).
- DDR4 memory
- World's most secure and manageable workstation

Where Dell 7510 wins (cont.):

- Premium aluminum and magnesium chassis
- The Dell Premium Panel Guarantee (FHD & UHD)
- ProSupport Plus

7510 improvements gen/gen:

- 3% lighter
- 5% thinner
- 3x faster SSDs
- 20% faster CPUs
- 40% faster memory
- 30% longer battery life (13 hrs)

Other wins vs. Lenovo

- Quad core Intel processors up to new mobile Xeon options
- Superior GPU performance
- Twice the maximum available RAM, at faster speeds.
- Higher resolution display with PremierColor technology.
- Thunderbolt 3 for fast, flexible connectivity

Other wins vs. Lenovo

- Quad core Intel processors up to new mobile Xeon options
- Superior GPU performance
- Twice the maximum available RAM, at faster speeds.
- Higher resolution display with PremierColor technology.
- Thunderbolt 3 for fast, flexible connectivity

Other wins vs Lenovo:

- AMD graphics option
- RAID 5
- Larger battery
- Higher resolution display
- 3x3 wireless network option
- Legacy internal expansion support
- Hot response

NEW Precision 15 7000 Series (7510) – pg. 2 of 2

The world's most powerful 15" Workstation.

The Dell Precision 15 7000 Series is the most powerful 15" workstation with powerful features, up to 3TB storage, ISV certifications and PremierColor 4K display options. The patent-pending thermal solution allows you to run the most intensive tasks without dropping out of turbo mode.

NEW Dell Precision 15 7000 Series	Dell Precision M4800	HP Zbook 15 G2
Quad Core Processor	Up to Intel® Core™ Xeon™ E3-1575M v5	Up to Intel® Core™ i7-4940MX	Up to Intel® Core™ i7-4910MQ
Dual Core Processor		Up to Intel® Core™ i7-4610M	Up to Intel Core i7-4610M Processor
Operating System	Microsoft® Windows 7, 8.1, 10, Red Hat, Ubuntu	Microsoft® Windows 7 & 8.1, Red Hat	Microsoft® Windows 7 & 8.1
Discrete Graphics	AMD FirePro W5170M 2GB Up to Nvidia M2000M 4GB	AMD FirePro™ M5100 2GB NVIDIA Quadro K1100M or K2100M 2GB	AMD FirePro™ M5100 FireGL 2GB NVIDIA Quadro K1100M or K2100M 2GB
Memory	Up to 64GB DDR4 2133MHz (32GB ECC) Up to 32GB DDR4 2667MHz	Up to 16GB 1866MHz DDR3L Up to 32GB 1600MHz DDR3L	Up to 32GB 1600MHz DDR3L
Display	15.6" FHD, FHD IPS, FHD IPS touch, UHD with PremierColor	15.6" HD, Full HD or UHD+ LED-backlit	15.6" FHD or 15.6" FHD/QHD IPS LED
Touch option	FHD IPS	N.A.	Optional capacitive 10 finger touch
Hard drive option	Up to 2TB 5400 rpm	Up to 1TB SATA 5400 rpm HDD	Up to 1TB SATA 7200 rpm HDD
SSD option	Up to 1TB M.2 PCIe + 1TB 2.5" SATA	Up to 1TB SSD & 1TB mSATA SSD	Up to 512GB SSD & 256GB PCIe SSD
Optical drive	None	DVD, DVD+/-RW or Blu-ray Disc™ writer	None
Keyboard	Backlit option, dual pointing	Backlit option, dual pointing	Dual pointing
Battery	6-cell (72 Wh) or (91 Wh)	6-cell (65 Wh) or 9-cell (97Wh)	3-cell (44 Wh) integrated + secondary
Input / output	E-dock, Thunderbolt 3, 4x USB 3.0, SD, Headset, RJ-45	4x USB 3.0, SD, RJ-45, ExpressCard	4x USB 3.0, SD, RJ-45
Video ports	miniDisplayPort, HDMI, Thunderbolt 3	1x DisplayPort, 1x HDMI, 1x VGA	1x DisplayPort, 1x VGA,
Wireless LAN	Up to Dell 3x3 802.11ac (Miracast)	Up to Intel 3x3 WLAN	Intel 2x2 WLAN
Wireless connectivity	Bluetooth 4.1, NFC	Bluetooth 4.0	Bluetooth 4.0
Mobile Broadband	Optional 4G LTE mobile broadband	Optional 4G LTE mobile broadband	Optional 4G mobile broadband
Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot
Security chips	TPM 1.2 and 2.0	TPM	TPM
Authentication factors	Fingerprint, smart card, contactless smart card reader	Fingerprint, smart card, contactless smart card reader	Fingerprint reader, smart card reader option
Security software	Dell Data Protection	Dell Data Protection	Third party software
Weight	Starting at 2.79kg (6.16lb)	Starting at 2.88 kg / 6.35 lbs	Starting at 1.71 kg / 3.77 lbs
Size (metric)	378 x 261 x 27.8 mm	376.7 x 256 x 39.9 mm	339 x 237 x 21 mm
Size (US)	14.88 x 10.38 x 1.1 in.	14.83 x 10.08 x 1.57 in	13.35 x 9.33 x 0.83 in
Environmental	Energy Star 6.1, EPEAT	Energy Star & EPEAT Gold	Energy Star & EPEAT Gold

Where Dell 7510 wins:

- World's most powerful 15"
- Dell Precision Optimizer with remote management capabilities (SCCM integration)
- 4th generation dual fans highest frequencies available to their CPU for 3x longer than the competition (estimated).
- DDR4 memory
- World's most secure and manageable workstation

Where Dell 7510 wins (cont.):

- The Dell Premium Panel Guarantee (FHD & UHD)
- ProSupport Plus

7510 improvements gen/gen:

- 3% lighter
- 5% thinner
- 3x faster SSDs
- 20% faster CPUs
- 40% faster memory
- 30% longer battery life (13 hrs)

Other wins vs. HP:

- Quad core Intel processors up to new mobile Xeon options
- Superior GPU performance
- Twice the maximum available RAM, at faster speeds.
- Higher resolution display with PremierColor technology.
- Thunderbolt 3 for fast, flexible connectivity

NEW Precision 17 7000 Series (7710)

The world's most powerful workstation.

The Dell Precision 17 7000 Series is your fixed workstation replacement with a 17.3" PremierColor 4K viewing area, powerful features, up to 3TB storage and ISV certifications The patent-pending thermal solution allows you to run the most intensive tasks without dropping out of turbo mode.

	NEW Dell Precision 17 7000 Series	Dell Precision M6800	HP Zbook 17 G2	Lenovo ThinkPad P70 – Announced Expected shipping CY Q4 2015	
Quad Core Processor	Up to Intel® Core™ Xeon™ E3-1575M v5	Up to Intel® Core™ i7-4940MX	Up to Intel® Core™ i7-4940MX	Up to Intel® Core™ Xeon™ TBA	
Dual Core Processor		Up to Intel® Core™ i7-4610M	Up to Intel® Core™ i7-4610M		
Operating System	Microsoft® Windows 7, 8.1, 10, Red Hat, Ubuntu	Microsoft® Windows 7 & 8.1, Red Hat	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7, 8.1, 10, Red Hat, Ubuntu	
Discrete Graphics	AMD FirePro W7170M 4GB Up to Nvidia M5000M 8GB	AMD FirePro™ M5100 2GB NVIDIA Quadro K2200M 2GB NVIDIA Quadro K3100M or K4100M 4GB NVIDIA Quadro K6100M 8GB	AMD FirePro™ M6100 2GB NVIDIA Quadro K1100M or K2200M 2GB NVIDIA Quadro K3100M or K4100M 4GB NVIDIA Quadro K5100M 8GB	Nvidia Quadro TBA	
Memory	Up to 64GB DDR4 2133MHz (32GB ECC) Up to 32GB DDR4 2667MHz	Up to 16GB 1866MHz DDR3L Up to 32GB 1600MHz DDR3L	Up to 32GB 1600MHz DDR3L	Up to 64GB DDR4 2133MHz	
Display	17" FHD IPS, UHD with PremierColor	17.3" HD+ or Full HD LED-backlit	17.3" HD+ or Full HD LED-backlit	17" FHD IPS, UHD IPS	
Touch option	FHD IPS	Optional 10 finger touch	N.A.	FHD IPS	
Hard drive option	Up to 2TB 5400 rpm	Up to 1TB SATA 5400 rpm HDD	Up to 1TB SATA 7200 rpm HDD	Up to 2TB 5400 rpm	
SSD option	Up to 1TB M.2 PCIe + 1TB 2.5" SATA	Up to 1TB SSD & 1TB mSATA SSD	Up to 512GB SSD	Up to 1TB M.2 PCI, 1TB 2.5" SATA	
Optical drive	None	DVD, DVD+/-RW or Blu-ray Disc™ writer	DVD+/-RW or Blu-ray Disc™ writer	DVD-RW	
Keyboard	Backlit option, dual pointing	Backlit option, dual pointing	Backlit option, dual pointing	Backlit option, dual pointing	
Battery	6-cell (72 Wh) or (91 Wh)	6-cell (65 Wh) or 9-cell (97Wh)	8-cell (83 Wh) or 8-cell (75Wh)	8-cell (96Wh)	
Input / output	E-dock, Thunderbolt 3, 4x USB 3.0, SD, Headset, RJ-45	4x USB 3.0, SD, RJ-45, ExpressCard	3x USB 3.0, 1x USB 2.0, SD, RJ-45	Dock, 2x Thunderbolt 3, 4x USB 3.0, SD, Headset, RJ-45	
Video ports	miniDisplayPort, HDMI, Thunderbolt 3	1x DisplayPort, 1x HDMI, 1x VGA	1x DisplayPort, 1x VGA, 1x Thunderbolt	miniDisplayPort, HDMI	
Wireless LAN	Up to Dell 3x3 802.11ac (Miracast)	Up to Intel 3x3 WLAN	Intel 2x2 WLAN	Intel 2x2 802.11ac	
Wireless connectivity	Bluetooth 4.1, NFC	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.1	
Mobile Broadband	Optional 4G LTE mobile broadband	Optional 4G LTE mobile broadband	Optional 4G mobile broadband	Optional 4G LTE mobile broadband	
Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot	Kensington lock slot	
Security chips	TPM 1.2 and 2.0	TPM	TPM	TBA	
Authentication factors	Fingerprint, smart card, contactless smart card reader	Fingerprint, smart card, contactless smart card reader	Fingerprint reader, smart card reader	Fingerprint reader, smart card reader	
Security software	Dell Data Protection	Dell Data Protection	Third party software	Third party software	
Weight	Starting at 3.42kg (7.55lb)	Starting at 3.57 kg / 7.86 lbs	Starting at 3.36 kg / 7.42 lbs	Starting at 7.6 lbs (3.4 kg)	
Size (metric)	417 x 281.4 x 28.5 mm	416.7 x 270.6 x 40.4 mm	376.6 x 248.1 x 29.5 mm	416 x 275.5 x 29.9 mm	
Size (US)	16.4 x 11 x 1.12 in.	16.40 x 10.65 x 1.59 in	16.37 x 10.7 x 1.33 in	16.4 x 10.8 x 1.17 in.	
Environmental	Energy Star 6.1, EPEAT	Energy Star & EPEAT Gold	Energy Star & EPEAT Gold	Energy Star 6.1, EPEAT	

Where Dell 7710 wins:

- World's most powerful
- Dell Precision Optimizer with remote management capabilities (SCCM integration)
- 8th generation dual fans highest frequencies available to their CPU for 3x longer than the competition (estimated).
- DDR4 memory

Where Dell 7710 wins (cont.):

- World's most secure and manageable workstation
- The Dell Premium Panel Guarantee (FHD & UHD)
- ProSupport Plus

7710 improvements gen/gen:

- 4% lighter
- 14% thinner
- 3x faster SSDs
- 20% faster CPUs
- 40% faster memory
- 44% longer battery life (13 hrs)

Other wins vs. HP:

- Quad core Intel processors up to new mobile Xeon options
- Superior GPU performance
- Twice the maximum available RAM, at faster speeds.
- Higher resolution display with PremierColor technology.
- Thunderbolt 3 for fast, flexible

Other wins vs. Lenovo:

- Lighter
- Premium aluminum and magnesium chassis
- AMD graphic option
- RAID 5
- 3x3 wireless network option

Precision Tower 7000 Series (7910)

The most powerful and scalable Tower workstation.

Ultimate performance and expandability with ISV certification, single or dual processors, up to 4 professional graphics cards and optional RAID with up to 8 hard drives. The innovative design boasts a revolutionary liquid cooling system and easy access to components for service & modifications.

Dell Precision 7000 Series (7910)	HP Z840	Lenovo P900
Processors	Single or dual Intel® Xeon® E5-2600 v3 processors up to 18 cores per processor.	Single or dual Intel® Xeon® E5-2600 v3 processors up to 18 cores per processor.	Single or dual Intel® Xeon® E5-1600 and 2600 v3 up to 18 cores per proc.
Operating Systems	Windows® 7, 8.1 & 10 Pro, Ubuntu 12.04, Red Hat EL 7.0	Microsoft® Windows® 7, 8.1 & 10 Pro, Ubuntu	Microsoft® Windows® 7, 8.1 & 10 Pro
Memory	Up 512GB 2133MHz DDR4 ECC RDIMM	Up 512GB 2133MHz DDR4 ECC LRDIMM	Up 512GB 2133MHz DDR4 ECC LRDIMM
Single GPU	Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® M6000 12GB	Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® M6000 12GB	Up to NVIDIA® Quadro® M6000 12GB
Dual GPU	Up to AMD FirePro™ W7100 8GB, Nvidia M6000 in single Gfx & Nvidia M6000 in dual Gfx	Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® M6000 12GB	Up to NVIDIA® Quadro® K6000 12GB
Quad GPU	Up to NVIDIA® Quadro® K4200 4GB	Not available.	Not available.
GPGPU Processor	Single or dual NVIDIA® Tesla® K20C	Single or dual NVIDIA® Tesla® K40	NVIDIA® Tesla® K40C
Coprocessor	Intel® Xeon® Phi® 3120A as an option	Not available.	Intel® Xeon® Phi® 3120A
HDD Configurations	Up to (4) 3.5-inch or (8) 2.5-inch drives	Up to (4) 3.5-inch or (8) 2.5-inch drives	Up to (6) 3.5-inch or (10) 2.5-inch drives
Hard Disk Drives	3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 10k RPM up to 1.2TB 2.5-inch SAS 15k RPM up to 600GB 2.5-inch SATA SED up to 500GB	3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 10k RPM up to 1.2TB 2.5-inch SAS 15k RPM up to 600GB 2.5-inch SATA SED up to 500GB	3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 15k RPM up to 600GB
Solid State Drives	"2.5-inch SATA up to 512GB 2.5-inch SAS up to 400GB 2.5-inch SED SSD 512GB"	2.5-inch SATA up to 1TB 2.5-inch SED SSD 256GB	2.5-inch SATA up to 1TB 2.5-inch SAS SSD up to 800GB 2.5-inch SED SSD up to 480GB
PCIe SSD	Up to 2 512GB with Zoom 2 card	Up to 512GB (Turbo Z Drive)	Up to 1.6TB (Fusion ioFX)
RAID Support	0/1/5/10	0/1/5/10	0/1/5/10
Remote Access	Tera2 Dual/Quad display PCoIP Card Teradici PCoIP Workstation Access SW	HP Remote Graphics SW (RGS)	Teradici 2220/2240 Remote WS Card
Removable Storage Media Options	DVD-ROM, DVD±RW, Blu-ray RW, media card reader	DVD-ROM, DVD±RW, Blu-ray Writer, media card reader	DVD-ROM, DVD±RW, Blu-ray Writer, media card reader
Front Ports	(1) USB 3.0, (3) USB 2.0, Microphone In Headphone Out	(4) USB 3.0, Microphone In, Headset (Combined headphone & mic)	(4) USB 3.0, Headset (Combined headphone & mic), SD card reader
Internal Ports	(3) USB 2.0	(1) USB 3.0, (2) USB 2.0	N/A
Rear Ports	(3) USB 3.0, (3) USB 2.0, (2) PS/2, (2) RJ-45, (1) Serial, (1) Audio in, (1) Audio Out"	(4) USB 3.0, (2) USB 2.0, (2) PS/2, (2) RJ-45, (1) Serial, (1) Audio in, (1) Audio Out	(4) USB 3.0, (4) USB 2.0, (2) PS/2, (2) RJ-45, (1) Serial, Audio (1) In, (1) Mic, (1) Out
Security	Trusted Platform Module (TPM 1.2)	Trusted Platform Module (TPM 1.2)	Trusted Platform Module (TPM 1.2)
Physical Security	Kensington® lock slot, Padlock ring Lockable power supply, Intrusion switch	Kensington® lock slot, Solenoid chassis lock, Intrusion switch	Kensington® lock slot, Padlock ring
Power Supply	Up to 1300W, 90% efficient	Up to 1125W, 90% efficient	Up to 1300W, 92% efficient
Dimensions (HWD) Metric	438 x 216 x 545mm (51.56 L)	203 x 525 x 444 mm (47.32 L)	200 x 485 mm x 470 mm (45,59 L)
Dimensions (HWD) US	16.95 x 8.5 x 20.67 in.	8 x 20.7 x 17.5 in.	

Where Dell 7910 wins:

- Liquid cooling
- Externally accessible PSUs
- Dell "Zoom" PCIe SSD Card
- Dell Reliable Memory Technology Pro
- Dell ProSupport Plus

Where Dell 7910 wins (cont.):

- Intel CAS-W cache acceleration software
- Most secure and manageable workstations
- Dell Precision Optimizer with remote management capabilities

Other wins vs. HP

- AMD graphics option
- Larger HDD capacities
- 12Gb/s SAS/SATA PCIe controllers
- Larger Power Supply (PSU)
- Hot response

Other wins vs. Lenovo

- AMD graphics option
- Smaller Chassis
- Thunderbolt add-in card
- 12Gb/s SAS/SATA PCIe controllers
- Remote access solutions
- Hot response

NEW Precision 15 5000 Series (5510) – pg. 1 of 2

The world's smallest, lightest and thinnest workstation.

The Dell Precision 15 5000 Series workstation delivers ISV certified, workstation performance at under 4lbs for ultimate mobility. The PremierColor 4K InifintyEdge screen delivers a rich visual experience with the only 100% minimum Adobe RGB color gamut display available on a workstation.

NEW Dell Precision 15 5000 Series	Dell Precision M3800	Apple MacBook Pro	HP Zbook G2
Quad Core Processor	Up to Intel® Xeon® - first mobile available	Up to Intel® Core™ i7-4712HQ	Up to 2.5GHz Intel Core i7 processor	
Dual Core Processor				Up to Intel Core i7-5600U Processor
Operating System	Microsoft® Windows 7, 10, Ubuntu, Rhel	Microsoft® Windows 7 & 8.1, Ubuntu	OS X Yosemite	Microsoft® Windows 7 & 8.1
Discrete Graphics	Nvidia® Quadro®M1000M 2GB	Nvidia® Quadro® K1100M 2GB	AMD Radeon R9 M370X with 2GB	AMD FirePro™ M4150 FireGL 1GB
Memory	Up to 32GB DDR4 2133MHz and overclock 266MHz	Up to 16GB 1600MHz DDR3L	Up to 16GB 1600MHz DDR3L	Up to 16GB 1600MHz DDR3L
Display	15.6" InfinityEdge FHD IPS or UHD with PremierColor	15.6" FHD or UHD LED-backlit	15.4" FHD IPS LED-backlit	14.0" HD or 14.0" FHD IPS LED-backlit
Touch option	10 finger touch with UHD panel	10 finger touch with UHD panel	None	Optional capacitive 10 finger touch
Hard drive option	Up to 1TB SATA 5400 rpm HDD	Up to 1TB SATA 5400 rpm HDD	N.A.	Up to 1TB SATA 7200 rpm HDD
SSD option	Up to 1TB M.2 PCIe SSD + 2.5" 1TB SATA SSD	Up to 1TB SSD & 1TB mSATA SSD	Up to 512GB PCIe SSD	Up to 512GB SSD & 256GB PCIe SSD
Optical drive	None	None	None	None
Keyboard	Backlit	Backlit option, dual pointing	Backlit keyboard	Dual pointing
Battery	6-cell (56 Wh) or (84Wh)	6-cell (65 Wh) or 9-cell (97Wh)	95 Whr Lithium-polymer battery	3-cell (44 Wh) integrated + secondary
Input / output	Thunderbolt 3, 2x USB 3.0, SD, Headset	3x USB 3.0, 1x USB 2.0, SD, RJ-45	2x USB 3.0, SD	4x USB 3.0, SD, RJ-45
Video ports	1x HDMI, (Thunderbolt 3 for DP)	1x HDMI, 1x Thunderbolt/mDP	1x DisplayPort, 1x HDMI, 2x Thunderbolt	1x DisplayPort, 1x VGA,
Wireless LAN	Intel 8260 2x2 802.11ac (Miracast) 1820 2x2, 1830 3x3	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN
Wireless connectivity	Bluetooth 4.0, NFC, 0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0
Mobile Broadband	None	None	Optional 4G mobile broadband	Optional 4G mobile broadband
Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot	Kensington lock slot
Security chips	TPM 1.2 and 2.0	TPM		TPM
Authentication factors	None	None	Fingerprint reader, smart card reader option	Fingerprint reader, smart card reader option
Security software	Dell Data Protection | Encryption	Dell Data Protection | Encryption	Third party software	Third party software
Weight	Starting at 3.93 lbs. (1.78 kg.)	Starting at 2.53 kg / 5.57 lbs	Starting at 2.04 kg / 4.49 lbs	Starting at 1.71 kg / 3.77 lbs
Size (metric)	357.2 x 235.5 x 11.5 mm	372 x 254 x 18 mm		3
Size (US)	14.1 x 9.3 x 0.45 in.	14.65 x 10 x 0.71 in	14.13 x 9.73 x 0.71 in	13.35 x 9.33 x 0.83 in
Environmental	Energy Star 6.1, EPEAT	Energy Star 6 & EPEAT Gold		

Where Dell 5510 wins:

- World's thinnest, light and smallest
- World's first workstation with an InfinityEdge display
- Only workstation with 100% min. Adobe RGB color gamut
- PremierColor display
- Dell Precision Optimizer with remote management capabilities (SCCM integration)
- Dual fans
- DDR4 memory
- Thunderbolt™ 3

Where Dell 5510 wins (cont.):

- World's most manageable workstation
- The Dell Premium Panel Guarantee (FHD & UHD)
- ProSupport Plus

5510 improvements gen/gen:

- 17% smaller
- 6% thinner
- 5% lighter
- 17% longer battery life (16hrs)
- 20% faster CPUs
- 41% faster memory
- 3x more SSD throughput

Other wins vs. MacBook Pro:

- ISV certifications
- 6th Gen Intel® Core™ and first mobile Intel® Xeon®
- Professional graphics
- 59% higher resolution (8 million more pixels)
- 59% thinner bezel
- 12% lighter & 29% thinner
- 2x storage and maximum RAM at faster speeds
- Less expensive
- More configurations available
- Thunderbolt™ 3 has 2x the speed of Thunderbolt™ 2

Other wins vs. HP:

- Quad core 6th Gen Intel® Core™ and first mobile Intel® Xeon®
- Superior GPU performance
- Twice the maximum available RAM, at faster speeds.
- Higher resolution display with PremierColor technology.
- InfinityEdge display
- Thunderbolt 3 for fast, flexible connectivity .

NEW Precision 15 5000 Series (5510) – pg. 2 of 2

The world's smallest, lightest and thinnest workstation.

The Dell Precision 15 5000 Series workstation delivers ISV certified, workstation performance at under 4lbs for ultimate mobility. The PremierColor 4K InifintyEdge screen delivers a rich visual experience with the only 100% minimum Adobe RGB color gamut display available on a workstation.

NEW Dell Precision 15 5000 Series	Dell Precision M3800	Lenovo ThinkPad W541	Lenovo ThinkPad W550s
Quad Core Processor	Up to Intel® Xeon® - first mobile available	Up to Intel® Core™ i7-4712HQ	Up to Intel® Core™ i7-4940MX	
Dual Core Processor			Up to Intel® Core™ i7-4600M	Up to Intel Core i7-5600U Processor
Operating System	Microsoft® Windows 7, 10, Ubuntu, Rhel	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1
Discrete Graphics	Nvidia® Quadro®M1000M 2GB	Nvidia® Quadro® K1100M 2GB	NVIDIA Quadro K1100M or K2100M 2GB	NVIDIA Quadro K620 2GB
Memory	Up to 32GB DDR4 2133MHz and overclock 266MHz	Up to 16GB 1600MHz DDR3L	Up to 32GB 1600MHz DDR3L	Up to 16GB 1600MHz DDR3L
Display	15.6" InfinityEdge FHD IPS or UHD with PremierColor	15.6" FHD or UHD LED-backlit	15.6" FHD or 15.5" 3k-IPS LED-backlit	15.6" FHD or 15.5" 3k-IPS LED-backlit
Touch option	10 finger touch with UHD panel	10 finger touch with UHD panel	N.A.	Optional capacitive 10 finger touch
Hard drive option	Up to 1TB SATA 5400 rpm HDD	Up to 1TB SATA 5400 rpm HDD	Up to 500GB SATA 7200 rpm HDD	Up to 500GB SATA 7200 rpm HDD
SSD option	Up to 1TB M.2 PCIe SSD + 2.5" 1TB SATA SSD	Up to 1TB SSD & 1TB mSATA SSD	Up to 512GB SSD & 16GB M2 SSD	Up to 512GB SSD & 16GB M2 SSD
Optical drive	None	None	None	None
Keyboard	Backlit	Backlit option, dual pointing	Backlit option, dual pointing	Backlit option, dual pointing
Battery	6-cell (56 Wh) or (84Wh)	6-cell (65 Wh) or 9-cell (97Wh)	6-cell (56 Wh) or 9-cell (99Wh)	3-cell (44 Wh) integrated + external
Input / output	Thunderbolt 3, 2x USB 3.0, SD, Headset	3x USB 3.0, 1x USB 2.0, SD, RJ-45	2x USB 3.0, 2x USB 2.0, SD, RJ-45	2x USB 3.0, 2x USB 2.0, SD, RJ-45
Video ports	1x HDMI, (Thunderbolt 3 for DP)	1x HDMI, 1x Thunderbolt/mDP	1x DisplayPort, 1x VGA, 1x Thunderbolt	1x DisplayPort, 1x VGA, 1x Thunderbolt
Wireless LAN	Intel 8260 2x2 802.11ac (Miracast) 1820 2x2, 1830 3x3	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN
Wireless connectivity	Bluetooth 4.0, NFC, 0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0
Mobile Broadband	None	None	Optional 4G mobile broadband	Optional 4G mobile broadband
Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot	Kensington lock slot
Security chips	TPM 1.2 and 2.0	TPM	TPM	TPM
Authentication factors	None	None	Fingerprint reader, smart card reader option	Fingerprint reader, smart card reader option
Security software	Dell Data Protection | Encryption	Dell Data Protection | Encryption	Third party software	Third party software
Weight	Starting at 3.93 lbs. (1.78 kg.)	Starting at 2.53 kg / 5.57 lbs	Starting at 1.73 kg / 5.57 lbs	Starting at 1.93 kg / 4.78 lbs
Size (metric)	357.2 x 235.5 x 11.5 mm	372 x 254 x 18 mm	376.6 x 248.1 x 29.5 mm	380.6 x 258.2 x 22.45 mm
Size (US)	14.1 x 9.3 x 0.45 in.	14.65 x 10 x 0.71 in	13.35 x 9.15 x 0.83 in	13.3 x 9.3 x 0.9 in
Environmental	Energy Star 6.1, EPEAT	Energy Star 6 & EPEAT Gold		

Where Dell 5510 wins:

- World's thinnest, light and smallest
- World's first workstation with an InfinityEdge display
- Only workstation with 100% min. Adobe RGB color gamut
- PremierColor display
- Dell Precision Optimizer with remote management capabilities (SCCM integration)
- Dual fans
- DDR4 memory
- Thunderbolt™ 3

Where Dell 5510 wins (cont.):

- World's most manageable workstation
- The Dell Premium Panel Guarantee (FHD & UHD)
- ProSupport Plus

5510 improvements gen/gen:

- 17% smaller
- 6% thinner
- 5% lighter
- 17% longer battery life (16hrs)
- 20% faster CPUs
- 41% faster memory
- 3x more SSD throughput

Other wins vs. Lenovo:

- Thinner, lighter, more desireable.
- Quad core Intel processors up to new mobile Xeon
- Superior GPU performance
- Twice the maximum available RAM, at faster speeds.
- Higher resolution display with PremierColor technology
- InfinityEdge display

Other wins vs. Lenovo (cont.):

- Quad core 6th Gen Intel® Core™ and first mobile Intel® Xeon®
- Thunderbolt 3 for fast, flexible connectivity

NEW Precision 15 3000 Series (3510)

Thin and light, powerful and affordable.

The Dell Precision 15 3000 Series workstation can make the professional applications you already use run much more productively than a conventional PC. Experience professional-grade processing, graphics and ISV certifications at an affordable price.

NEW Dell Precision 15 3000 Series	Dell Precision M2800	Lenovo ThinkPad W541	Lenovo ThinkPad W550s	HP Zbook G2
Quad Core Processor	Up to Intel Core i7-6820HQ	Up to Intel® Core™ i7-4810MQ	Up to Intel® Core™ i7-4940MX		
Dual Core Processor		Up to Intel® Core™ i7-4610M	Up to Intel® Core™ i7-4600M	Up to Intel Core i7-5600U Processor	Up to Intel Core i7-5600U Processor
Operating System	Microsoft® Windows 7 & 8.1,10, Ubuntu, Red Hat	Microsoft® Windows 7 & 8.1,10, Ubuntu	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1
Discrete Graphics	AMD FirePro W5130M w/2GB GDDR5	AMD FirePro W4170M 2GB	NVIDIA Quadro K1100M or K2100M 2GB	NVIDIA Quadro K620 2GB	AMD FirePro™ M4150 FireGL 1GB
Memory	Up to 32GB 2133Mhz Non-ECC DDR4	Up to 16GB 1600MHz DDR3L	Up to 32GB 1600MHz DDR3L	Up to 16GB 1600MHz DDR3L	Up to 16GB 1600MHz DDR3L
Display	15.6” HD, FHD or FHD touch LED-backlit	15.6” HD or FHD LED-backlit	15.6” FHD or 15.5” 3k-IPS LED-backlit	15.6” FHD or 15.5” 3k-IPS LED-backlit	14.0” HD or 14.0” FHD IPS LED-backlit
Touch option	FHD IPS	N.A.	N.A.	Optional capacitive 10 finger touch	Optional capacitive 10 finger touch
Hard drive option	Up to 1TB SATA 5400 rpm	Up to 1TB SATA 7200 rpm HDD	Up to 500GB SATA 7200 rpm HDD	Up to 500GB SATA 7200 rpm HDD	Up to 1TB SATA 7200 rpm HDD
SSD option	Up to 1TB PCIe	Up to 360GB SSD & 256GB mSATA SSD	Up to 512GB SSD & 16GB M2 SSD	Up to 512GB SSD & 16GB M2 SSD	Up to 512GB SSD & 256GB PCIe SSD
Optical drive	N/A	DVD or DVD+/-RW	None	None	None
Keyboard	Backlit option, dual pointing	Backlit option, dual pointing	Backlit option, dual pointing	Backlit option, dual pointing	Dual pointing
Battery	4-cell (62 Wh) or 6-cell (84Wh)	6-cell (65 Wh) or 9-cell (97Wh)	6-cell (56 Wh) or 9-cell (99Wh)	3-cell (44 Wh) integrated + external	3-cell (44 Wh) integrated + secondary
Input / output	E-Dock, Optional ThunderBolt 3, 1x SD, 3x USB 3.0, 1x RJ-45	4x USB 3.0, SD, RJ-45	2x USB 3.0, 2x USB 2.0, SD, RJ-45	2x USB 3.0, 2x USB 2.0, SD, RJ-45	4x USB 3.0, SD, RJ-45
Video ports	VGA, HDMI 1.4	1x HDMI, 1x VGA	1x DisplayPort, 1x VGA, 1x Thunderbolt	1x DisplayPort, 1x VGA, 1x Thunderbolt	1x DisplayPort, 1x VGA,
Wireless LAN	Intel 2x2 802.11ac	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN	Intel 2x2 WLAN
Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0
Mobile Broadband	Optional 4G LTE/HSPA+	Optional 4G LTE mobile broadband*	Optional 4G mobile broadband	Optional 4G mobile broadband	Optional 4G mobile broadband
Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot	Kensington lock slot	Kensington lock slot
Security chips	TPM 1.2 (2.0 w/ Win 10)	TPM	TPM	TPM	TPM
Authentication factors	Fingerprint, smart card	Fingerprint, smart card, contactless smart card reader	Fingerprint reader, smart card reader option	Fingerprint reader, smart card reader option	Fingerprint reader, smart card reader option
Security software	Dell Data Protection | Encryption	Dell Data Protection | Encryption	Third party software	Third party software	Third party software
Weight	Starting at 4.92 lbs.	Starting at 2.56 kg / 5.64 lbs	Starting at 1.73 kg / 5.57 lbs	Starting at 1.78 kg / 4.92 lbs	Starting at 1.92 kg / 4.23 lbs
Size (metric)	377.1 x 252.6 x 24.55mm	379 x 250.5 x 33.4 mm	376.6 x 248.1 x 29.5 mm	380.6 x 258.2 x 22.45 mm	339 x 237 x 21 mm
Size (US)	14.61 x 9.94 x .97 inch	14.92 x 9.86 x 1.31 in	13.35 x 9.15 x 0.83 in	13.3 x 9.3 x 0.9 in	13.35 x 9.33 x 0.83 in
Environmental	Energy Star 6.1, EPEAT	Energy Star 6 & EPEAT Gold			

Where Dell 3510 wins:

- Dell Precision Optimizer with remote management capabilities (SCCM integration)
- World’s Most secure and manageable workstations
- The Dell Premium Panel Guarantee (FHD)
- DDR4 Memory
- ProSupport Plus

3510 improvements gen/gen:

- 12% lighter
- 26% thinner
- 62% longer battery life (17hrs)
- 33% faster memory
- 20% faster graphics
- 15% faster CPUs

Other wins vs. Lenovo

- Thinner, lighter, more desirable.
- 6th Gen Intel® Core™
- Faster DDR4 RAM, available Superior GPU performance at a better price.
- PCIe SSDs for 4x data reads.
- Thunderbolt 3 for fast, flexible connectivity

Other wins vs. Lenovo

- 6th Gen Intel® Core™
- Faster DDR4 RAM, available.
- Superior GPU performance at a better price.
- PCIe SSDs for 4x data reads.
- Thunderbolt 3 for fast, flexible connectivity

Other wins vs. HP

- 6th Gen Intel® Core™
- Faster DDR4 RAM, available.
- Superior GPU performance at a better price.
- PCIe SSDs for 4x data reads.
- Thunderbolt 3 for fast, flexible connectivity

* in Select Countries only

Precision Tower 7000 Series (7810)

Outstanding performance in a compact tower design.

Outstanding ISV-certified performance with single or dual processors and professional graphics cards and optional RAID configurations with up to 4 hard drives. Plus, a straightforward, clutter-free interior provides easy access to components for service & modifications.

Dell Precision 7000 Series (7810)	HP Z640	Lenovo P700
Processor	Single or dual Intel® Xeon® E5-2600 v3 processors up to 14 cores per processor.	Single or dual Intel® Xeon® E5-1600 and 2600 v3 processors up to 18 cores per processor.	Single or dual Intel® Xeon® E5-1600 and 2600 v3 processors up to 18 cores per processor.
Operating Systems	Microsoft® Windows® 7,8.1 & 10 Pro, Ubuntu 12.04, Red Hat EL 7.0	Microsoft® Windows® 7 & 8.1, Ubuntu	Microsoft® Windows® 7, 8.1 10 Pro
Memory	Up to 256GB 2133MHz DDR4 ECC RDIMM	Up to 256B 2133MHz DDR4 ECC LRDIMM	Up to 384GB 2133MHz DDR4 ECC LRDIMM
Single GPU	Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® K6000 12GB"	Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® M6000 12GB	Up to NVIDIA® Quadro® M6000 12GB
Dual GPU	Up to AMD FirePro™ W7100 8GB Nvidia M6000 in single Gfx & Nvidia M5000 in dual Gfx"	"Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® K5200 8GB"	Up to NVIDIA® Quadro® K5200 8GB
HDD Configurations	Up to (3) 3.5-inch or (4) 2.5-inch drives	Up to (4) 3.5-in or (4) 2.5-in SATA drives	Up to (4) 3.5-in or (4) 2.5-in SATA drives
Hard Disk Drives	3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 10k RPM up to 1.2TB 2.5-inch SAS 15k RPM up to 600GB 2.5-inch SATA Self Encrypting Drive (SED) up to 500GB	3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 10k RPM up to 1.2TB 2.5-inch SAS 15k RPM up to 600GB 2.5-inch SATA Self Encrypting Drive (SED) up to 500GB	3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 15k RPM up to 600GB
Solid State Drives	2.5-inch SATA up to 512GB 2.5-inch SAS up to 400GB 2.5-inch SED SSD 512GB	2.5-inch SATA up to 1TB 2.5-inch SED SSD 256GB	2.5-inch SATA up to 1TB 2.5-inch SAS SSD up to 800GB 2.5-inch SED SSD up to 480GB
PCIe SSD	UUp to 2 512GB on Zoom 2 card	Up to 512GB (Turbo Z Drive)	Up to 1.6TB (Fusion ioFX)
RAID Support	0/1/5/10	0/1/5/10	0/1/5/10
Removable Storage Media Options	Tera2 Dual/Quad display PCoIP Card Teradici PCoIP Workstation Access SW	HP Remote Graphics SW (RGS)	Teradici 2220/2240 Remote WS Card
Remote Access	DVD-ROM, DVD±RW, Blu-ray RW, media card reader	DVD-ROM, DVD±RW, Blu-ray Writer, media card reader	DVD-ROM, DVD±RW, Blu-ray Writer, media card reader
Front Ports	(1) USB 3.0, (3) USB 2.0, Microphone In Headphone Out	(4) USB 3.0, Microphone In Headphone Out"	(4) USB 3.0, Headset (Combined head-phone & mic), SD card reader
Internal Ports	(3) USB 2.0	(1) USB 3.0, (1) USB 2.0	N/A
Rear Ports	(3) USB 3.0, (3) USB 2.0, (2) PS/2, (1) RJ-45, (1) Serial, (1) Audio in, (1) Audio Out"	(4) USB 3.0, (2) USB 2.0, (2) PS/2, (1) RJ-45, (1) Audio line-in, (1) Audio Out	(4) USB 3.0, (4) USB 2.0, (2) PS/2, (1) RJ-45, (1) Serial, Audio (1) In (1) Mic (1) Out
Security	Trusted Platform Module (TPM 1.2)	Trusted Platform Module (TPM 1.2)	Trusted Platform Module (TPM 1.2)
Physical Security	Kensington® lock slot, Padlock ring Lockable power supply, Intrusion switch	Kensington® lock slot, Solenoid chassis lock, Intrusion switch	Kensington® lock slot, Padlock ring
Power Supply	Up to 825W, 90% efficient	Up to 925W, 90% efficient	Up to 850W, 92% efficient
Dimensions (HWD) Metric	414 x 172.6 x 471mm (33.66 L)	175 x 464.8 x 444.5 mm (36.36 L)	175 x 485 x 470 mm (39.89 L)
Dimensions (HWD) US	16.3 x 6.79 x 18.54 in.	6.75 x 18.3 x 17.5 in.	6.9 x 18.5 x 17.3 in.

Where Dell 7810 wins:

- Externally accessible PSUs
- Dell "Zoom" PCIe SSD Card
- Dell Reliable Memory Technology Pro
- Dell ProSupport Plus

Where Dell 7810 wins (cont.):

- Intel CAS-W cache acceleration software
- Most secure and manageable workstations
- Dell Precision Optimizer with remote management capabilities

Other wins vs. HP:

- AMD graphics option
- Up to 4TB HDD capacities
- 12Gb/s SAS/SATA PCIe controllers
- Smaller and lighter chassis
- Hot response

Other wins vs Lenovo:

- AMD graphics option
- Smaller Chassis
- Thunderbolt add-in card
- Remote access solutions
- Hot response

Precision Tower 5000 Series (5810)

Big power in a compact innovative design.

ISV certified with a powerful processor, single or dual professional graphics cards and optional RAID configurations with up to 4 hard drives. It also boasts a unique design with externally accessible tool-less (lockable) power supply & front and rear aluminum handles for easy deployment and moves.

Dell Precision Tower 5000 Series	HP Z440	Lenovo P500
Processor	Intel® Xeon® E5-1600 and 3 2600 v3 processors up to 14 cores.	Intel® Xeon® E5-1600 v3 processors up to 8 cores.	Intel® Xeon® E5-1600 and 2600 v3 processors up to 14 cores.
Operating Systems	Microsoft® Windows® 7, 8.1 &10 Pro Ubuntu, Red Hat EL 7.0	Microsoft® Windows® 7 & 8.1, Ubuntu	Microsoft® Windows® 7, 8.1 & 10 Pro
Memory	Up to 256GB 2133MHz DDR4 ECC	Up to 128GB 2133MHz DDR4 ECC	Up to 256GB 2133MHz DDR4 ECC
Single GPU	"Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® K6000 Nvidia M6000 in single Gfx & Nvidia M5000 in dual Gfx "	"Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® K6000 12GB"	Up to NVIDIA® Quadro® K6000 12GB
Dual GPU	"Up to AMD FirePro™ W7100 8GB NVIDIA® Quadro® K5200 8GB"	"Up to AMD FirePro™ W5100 4GB NVIDIA® Quadro® K2200 4GB"	Up to NVIDIA® Quadro® K5200 8GB
HDD Configurations	Up to (3) 3.5-inch or (4) 2.5-inch drives	Up to (4) 3.5-in or (4) 2.5-in SATA drives	Up to (4) 3.5-in or (4) 2.5-in SATA drives
Hard Disk Drives	3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 10k RPM up to 1.2TB 2.5-inch SAS 15k RPM up to 600GB 2.5-inch SATA Self Encrypting Drive (SED) up to 500GB"	"3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 10k RPM up to 1.2TB 2.5-inch SAS 15k RPM up to 600GB 2.5-inch SATA Self Encrypting Drive (SED) up to 500GB"	3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 15k RPM up to 600GB
Solid State Drives	2.5-inch SATA up to 1TB 2.5-inch SAS up to 400GB 2.5-inch SED SSD 512GB	2.5-inch SATA up to 1TB 2.5-inch SED SSD 256GB	2.5-inch SATA up to 512GB 2.5-inch SAS SSD up to 800GB 2.5-inch SED SSD up to 480GB
PCIe SSD	Up to 2 x 512GB - Zoom 2 card	Up to 512GB (Turbo Z Drive)	Up to 1.6TB (Fusion ioFX)
RAID Support	0/1/5/10	0/1/5/10	0/1/5/10
Removable Storage Media Options	DVD-ROM, DVD±RW, media card reader	DVD-ROM, DVD±RW, Blu-ray Writer, media card reader	DVD-ROM, DVD±RW, Blu-ray Writer, media card reader
Remote Access	Tera2 Dual/Quad display PCoIP Card Teradici PCoIP Workstation Access SW	HP Remote Graphics SW (RGS)	Teradici 2220/2240 Remote WS Card
Front Ports	(1) USB 3.0, (3) USB 2.0, Microphone In Headphone Out	(4) USB 3.0, (2) USB 2.0, Microphone In Headphone Out	(4) USB 3.0, Headset (Combined head-phone & mic), SD card reader
Internal Ports	(3) USB 2.0	(1) USB 3.0, (1) USB 2.0	N/A
Rear Ports	(3) USB 3.0, (3) USB 2.0, (2) PS/2, (1) RJ-45, (1) Serial, (1) Audio in, (1) Audio Out"	(4) USB 3.0, (2) USB 2.0, (2) PS/2, (1) RJ-45, (1) Audio line-in, (1) Audio Out"	(4) USB 3.0, (4) USB 2.0, (2) PS/2, (1) RJ-45, (1) Serial, Audio (1) In, (1) Mic, (1) Out
Security	Trusted Platform Module (TPM 1.2)	Trusted Platform Module (TPM 1.2)	Trusted Platform Module (TPM 1.2)
Physical Security	Kensington® lock slot, Padlock ring, Lockable power supply, Intrusion switch	Kensington® lock slot, Solenoid chassis lock, Intrusion switch	Kensington® lock slot, Padlock ring
Power Supply	Up to 825W, 90% efficient	Up to 700W, 90% efficient	Up to 650W, 92% efficient
Dimensions (HWD) Metric	414 x 172.6 x 471mm (33.66 L)	169 x 445 x 432 mm (32.49 L)	175 x 470 x 440 mm (36.19 L)
Dimensions (HWD) US	16.3 x 6.79 x 18.54 in.	6.65 x 17.5 x 17 in.	6.9 x 18.5 x 17.3 in.

Where Dell 5810 wins:

- Externally accessible PSUs
- Dell "Zoom" PCIe SSD Card
- Dell Reliable Memory Technology Pro
- Intel CAS-W cache acceleration software

Where Dell 5810 wins (cont.):

- Dell Precision Optimizer with remote management capabilities
- Can support up to single 300W single Gfx card (825W) PSU
- Most secure and manageable workstations
- Dell ProSupport Plus

Other wins vs. HP:

- Offers Intel E5-2600 10, 12 & 14 core processors
- 12Gb/s SAS/SATA PCIe controllers
- AMD graphics option
- Larger HDD capacities
- Hot response

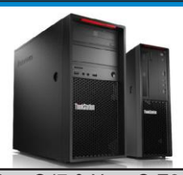
Other wins vs. Lenovo:

- AMD graphics option
- Offers PCIe slot wired for x8 for twice the bandwidth
- Smaller chassis
- Thunderbolt add-in card
- Remote access solutions
- Hot response

NEW Precision Tower 3000 Series (3420/3620)

Workstation performance at an affordable price.

The world's smallest SFF workstation and expandable MT chassis options. The powerful features deliver ISV certified workstation performance to professional creators at an affordable price.

	NEW Dell Precision Tower 3000 Series	Dell Precision T1700	HP Z230	Lenovo P300	HP Z240 – Announced Expected shipping Nov. 2015
					
Processor	Intel® Core® i3, i5, i7, Xeon® E3-1200 v5 series processors	Intel® Core® i3, i5, i7, Xeon® E3-1200 v3 series processors	Intel® Pentium®, Core® i3, i5, i7, Xeon® E3-1200 v3 series processors	Intel® Core® i7 & Xeon® E3-1200 v3 series processors	Intel® Core® i7 & Xeon® E3-1200 v3 series processors
Operating Systems	Microsoft® Windows® 7, 8.1 & 10, Ubuntu, Red Hat Enterprise Linux, NeoKylin	Microsoft® Windows® 7 & 8.1, Ubuntu, Red Hat EL	Microsoft® Windows® 7 & 8.1, Ubuntu, SUSE	Microsoft® Windows® 7 & 8.1	Microsoft® Windows® 7 & 8.1
Memory	Up to 64GB 2133MHz ECC/non-ECC DDR4	Up to 32GB 1600MHz ECC/non-ECC DDR3	Up to 32GB 1600MHz ECC/non-ECC DDR3	Up to 32GB 1600MHz ECC/non-ECC DDR3	Up to 32GB 1600MHz ECC/non-ECC DDR3
Graphics (SFF)	Up to NVIDIA® Quadro® K1200 4GB or AMD® FirePro® W4100 2GB	Up to NVIDIA® Quadro® K620 2GB or AMD® FirePro® W4100 2GB	"Up to NVIDIA® Quadro® K1200 4GB or AMD® FirePro® W2100 2GB (DDR3)"	Up to NVIDIA® Quadro® K1200 4GB	Up to NVIDIA® Quadro® K1200 4GB
Graphics (Mini Tower)	Up to NVIDIA® Quadro® M4000 8GB or AMD® FirePro® W7100 8GB	Up to NVIDIA® Quadro® K4200 4GB or AMD® FirePro® W5100 4GB	"Up to NVIDIA® Quadro® K4200 4GB or AMD® FirePro® W7100 8GB"	Up to NVIDIA® Quadro® K2200 4GB	Up to NVIDIA® Quadro® K2200 4GB
HDD Configurations (SFF)	(1) M.2 PCIe SSD on motherboard, (1) 3.5-inch bay, configurable as (2) 2.5-inch SATA drives	(1) 3.5-inch or (2) 2.5-inch SATA drives	(1) 3.5-inch or (1) 2.5-inch SATA drives	(2) 3.5-inch and (1) 2.5-inch SATA drives	(2) 3.5-inch and (1) 2.5-inch SATA drives
HDD Configurations (Mini Tower)	(1) M.2 PCIe SSD on motherboard, (2) 3.5-inch bay, configurable as (4) 2.5-inch SATA drives	Up to (2) 3.5-in or (4) 2.5-in SATA drives	Up to (3) 3.5-in or (3) 2.5-in SATA drives	Up to (4) 3.5-in or (4) 2.5-in SATA drives	Up to (4) 3.5-in or (4) 2.5-in SATA drives
Hard Disk Drives	3.5-inch SATA 5400RPM up to 4TB 2.5-inch SATA 7200RPM up to 1TB 2.5-inch SATA SED up to 500GB	3.5-inch SATA 7200 RPM up to 2TB 2.5-inch SAS 10k RPM up to 500GB 2.5-inch SATA Self Encrypting Drive (SED) up to 500GB	3.5-inch SATA 7200RPM up to 4TB 2.5-inch SATA Self Encrypting Drive (SED) up to 500GB	"3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 10K RPM up to 250GB 2.5-inch SATA Self Encrypting Drive (SED) up to 500GB"	"3.5-inch SATA 7200 RPM up to 4TB 2.5-inch SAS 10K RPM up to 250GB 2.5-inch SATA Self Encrypting Drive (SED) up to 500GB"
Solid State Drives	2.5-inch up to 512GB 2.5-inch SED SSD 512GB	2.5-inch Up to 512GB	2.5-in up to 1TB, 2.5-in SED SSD 256GB"	2.5-in up to 1TB, SED SSD up to 480GB	2.5-in up to 1TB, SED SSD up to 480GB
PCIe SSD	One M.2 on motherboard - Up to 1TB	N/A	Up to 512GB	N/A	N/A
RAID Support	0/1/5/10	0/1/5/10	0/1	0/1/5/10	0/1/5/10
Removable Storage Media Options	DVD-ROM, DVD±RW, Blu-Ray Writer SD card reader	DVD-ROM, DVD±RW, MT: Blu-ray RW, media card reader	DVD-ROM, DVD±RW, Blu-ray Writer, media card reader	DVD±RW, media card reader	DVD±RW, media card reader
Front Ports	(2) USB 3.0, (2) USB 2.0 (1) Microphone In, (1) Headphone Out (O) Optional SD Card Reader	(2) USB 3.0, (2) USB 2.0, Microphone In Headphone Out"	(2) USB 3.0, (2) USB 2.0, Microphone In Headphone Out"	(2) USB 3.0, Microphone In Headphone Out"	(2) USB 3.0, Microphone In Headphone Out
Internal Ports	(2) USB 2.0	(1) USB 2.0 (MT Only)	(1) USB 3.0, (3) USB 2.0	N/A	N/A
Rear Ports	(4) USB 3.0, (2) USB 2.0, (2) PS/2, (1) RJ-45 (1) Serial, (1) Audio Out (O) Serial + Parallel, 1394, TB2 (All Optional)	(2) USB 3.0, (4) USB 2.0, (2) PS/2, (1) RJ-45, (1) Serial, (1) Audio in, (1) Audio Out"	(2) USB 3.0, (4) USB 2.0, (2) PS/2, (1) RJ-45, (1) Audio in, (1) Audio Out	(4) USB 3.0, (2) USB 2.0, (1) RJ-45, (1) Se- rial, (1) Audio line-in, (1) Audio Out	(4) USB 3.0, (2) USB 2.0, (1) RJ-45, (1) Se- rial, (1) Audio line-in, (1) Audio Out
Video ports (Intel integrated GPU)	(2) DisplayPort 1.2, (1) HDMI, (1) VGA (optional)	(2) DisplayPort, (1) VGA"	(2)DisplayPort (3 on SFF), DVI-I (MT only)	(2) Display Port, (1) VGA	(2) Display Port, (1) VGA
Security	TPM 1.2 (2.0via FW upgrade)	Trusted Platform Module 1.2 (TPM 1.2)	Trusted Platform Module 1.2 (TPM 1.2)	Trusted Platform Module 1.2 (TPM 1.2)	Trusted Platform Module 1.2 (TPM 1.2)
Power Supply (SFF)	Up to 240W, 92% efficient	Up to 255W, 90% efficient	Up to 240W, 92% efficient	Up to 240W, 92% efficient	Up to 240W, 92% efficient
Power Supply (MT)	Up to 365W, 90% efficient	Up to 365W, 90% efficient	Up to 400W, 92% efficient	Up to 450W, 92% efficient	Up to 450W, 92% efficient
SFF Dimensions (HWD) Metric	290 x 92.6 x 292 mm (7.8 L)	290 x 92.6 x 312 mm (8.38 L)	105 x 338 x 381 mm (13.5 L)	101.6 x 375.9 x 337.8 mm (12.9 L)	101.6 x 375.9 x 337.8 mm (12.9 L)
SFF Dimensions (HWD) US	360 x 175 x 435 mm (27.4 L)	11.42 x 3.65 x 12.28 in.	3.95 x 13.3 x 15.0 in.	4 x 14.8 x 13.3 in.	4 x 14.8 x 13.3 in.
MT Dimensions (HWD) Metric	11.4 x 3.65 x 11.5 in.	360 x 175 x 435 mm (27.4 L)	399 x 170 x 442 mm (30 L)	175.2 x 429.2 x 424.1 mm (31.9 L)	175.2 x 429.2 x 424.1 mm (31.9 L)
MT Dimensions (HWD) US	14.17 x 6.89 x 17.12 in.	14.17 x 6.89 x 17.13 in.	15.7 x 6.7 x 17.4 in.	6.9 x 16.97 x 16.7 in.	6.9 x 16.97 x 16.7 in.

Where Dell 3000 Series wins:

- Most secure and manageable workstations
- World's smallest SFF
- Dell Precision Optimizer with remote management capabilities

Where Dell wins (cont..):

- Intel CAS-W cache acceleration software
- Dell ProSupport Plus

3000 improvements gen/gen:

- 6% smaller (SFF)
- 33% faster memory
- 33% faster CPUs
- 34% faster graphics

Other wins vs. HP:

- Next-generation Intel Core and Xeon series processors
- Increased graphics performance
- Twice the maximum available RAM, at faster speeds.
- Higher capacity PCIe SSD option

Other wins vs Lenovo:

- Next-generation Intel Core and Xeon series processors
- Increased graphics performance
- Twice the maximum available RAM, at faster speeds.
- Higher capacity PCIe SSD option

Other wins vs NEW HP:

- 42% smaller SFF/9% MT
- Smaller size allows Precision to fit where HP can't.
- A full 1TB on the M.2 PCIe SSD
- Advanced RAID options
- Support for legacy PCI cards
- Hot response

Venue 11 Pro 7000

The Dell Venue 11 Pro 7000 offers three devices in one utility.

The portability of a tablet, the power of an laptop and the experience of a desktop. With a full-size mobile keyboard and desktop docking station, you can switch easily between desktop, laptop and tablet modes for a more flexible and versatile tablet experience.

		Lenovo ThinkPad Helix	HP Pro x2 612	Microsoft Surface Pro 3	Samsung ATIV 700T
Microsoft® Windows 8.1 (64-bit)	Operating System	Microsoft® Windows 8 (64-bit)	Microsoft® Windows 8.1 (64-bit)	Microsoft® Windows 8.1 (64-bit)	Microsoft® Windows 8.1 (64-bit)
10.8" FHD IPS (1920x1080) TFT	Display	11.6" FHD IPS (1920x1080) TFT	12.5" FHD IPS (1920x1080)	12.0" FHD+ (2160x1440)	11.6" FHD LED (1920x1080)
5th Gen Intel® Core™M, Core™M vPro	Processor	3rd Gen Intel® Core™ U i5, i7	4th Gen Intel® Core™ Y i3, i5	4th Gen Intel® Core™ (Y/U) i3, i5, i7	3th Gen Intel® Core™ i5-3317U
4 | 8 GB LPDDR3 1600MHz	Memory	4 | 8 GB	4 | 8 GB	4 GB (i3,i5) | 8 GB (i5,i7)	4GB
64 | 128 | 256 GB Solid State	Storage options	128 | 180 | 256 GB Solid State	64 | 128 | 256 GB Solid State	64 GB (i3) | 128 GB (i5) | 256 GB (i5,i7)	128 GB Solid State
Intel® HD5300	Graphics	Intel® HD4000	Intel® HD4200	Intel® HD4200, HD4400, HD5000	Intel® HD4000
2MP + 8MP (both 1080p video)	Camera (Front + Back)	2MP + 5MP	2MP + 5MP (both 1080p video)	5MP + 5MP (both 1080p video)	2MP + 5MP (both 1080p video)
38 Whr Li-ion	Battery	42Whr Li-ion up to 6 hrs	29 Whr Li-ion	Li-ion, up to 9 hrs	49Whr Li-ion, up to 8 hrs
1x USB 3.0, microSD™, Audio	Input / Output	1x USB 2.0, Audio	1x USB 3.0, microSD™, Audio	1x USB 3.0, microSD™, Audio	1x USB 3.0, microSD™, Audio
1x mHDMI	Video ports	1x mDP	None listed	1x mDP	1x mHDMI
Intel® Dual-Band 802.11 ac, abgn	Wireless LAN	Intel® Centrino® 801.11 agn	Intel® Dual-Band 802.11 ac, abgn	Dual-Band WiFi 802.11ac, abgn	Intel® Centrino® 801.11 abgn
BT 4.0, Intel WiDi, Miracast, NFC	Wireless connectivity	BT 4.0, NFC	BT 4.0	BT 4.0	BT 4,0
Optional LTE | HSPA+	Mobile Broadband (WWAN)	Optional 4G LTE |HSPA+ (Gobi™)	Optional LTE | HSPA+ (Gobi™)		Optional 4G LTE
Noble security cable slot	Physical security				
TPM 1.2 (TPM 2.0 Firmware)	Built-in security	TPM 1.2	TPM, Optional FPR, SCR	TPM 1.2	TPM 1.2
Dell Data Protection, Computrace(O)	Security software	McAfee, Norton, Computrace	HP Client Security		
718.6g (1.58 lbs)	Weight	785g (1.73 lbs)	1000g (2.22 lbs)	800g (1.76 lbs)	1.98 lbs
279.7mm x 10.75mm x 176.4mm	Dimension (metric)	296.1mm x 11.6mm x 187.3mm	307mm x 12.8mm x 209.5mm	292.1mm x 9.1mm x 201.4mm	
11.01in x 0.42in x 6.95in	Dimension (US)	11.7in x 0.46in x 7.4in	12.48in x 0.50in x 8.25in	11.5in x 0.36in x 7.93in	11.97in x 0.47in x 7.46in
Active	Stylus	Wacom Digitizerr Pen	Wacom pen	Active	S Pen™
Mobile (28Whr battery)	Keyboard (charging)	28Whr (up to 10 hrs), 1x mDP, 2x USB 2.0	Power KB: 25Whr	Power Cover (+ 6hrs)	Keyboard dock
Slim (magnetic, dock pins)	Keyboard		Travel	Type Cover (wireless), Touch Cover	
3x USB 3.0, HDMI, DP, RJ45, Audio	Desktop docking solution (I/O)	2x USB 2.0, Keyboard	Power KB: 2x USB 3.0, DP, VGA, RJ45	3x USB 3.0, 2 (2.0), 2x mDP, RJ45, Audio	1x USB 2.0, RJ45
January 2015	Launch date	May 2014	September 2014	June 2014	

Why Dell Venue 11 Pro unique features:

- Lighter & smaller footprint
- Business class onsite support with Dell ProSupport
- Hardware Crypto Accelerator for faster encryption.
- Special purpose accessories for Healthcare, Retail, Rugged
- Battery life up to 14.5 hours

Why Dell Venue 11 Pro:

- Lighter & smaller footprint
- Business class onsite support with Dell ProSupport
- Hardware Crypto Accelerator for faster encryption.
- Special purpose accessories for Healthcare, Retail, Rugged
- Battery life up to 14.5 hours

Why Dell Venue 11 Pro:

- Thinner, lighter, & smaller footprint
- Video (mHDMI) and USB 3.0 ports on the tablet
- Hardware Crypto Accelerator for faster encryption.
- Battery life up to 14.5 hours

Why Dell Venue 11 Pro:

- Thinner, lighter, & smaller footprint
- Mobile Broadband connectivity support
- Advanced security & management features with Intel® vPro
- Hardware Crypto Accelerator for faster encryption.
- Business class onsite support with Dell ProSupport
-

Why Dell Venue 11 Pro:

- Thinner, lighter, & smaller footprint
- Advanced security & management features with Intel® vPro
- Hardware Crypto Accelerator for faster encryption.
- Business class onsite support with Dell ProSupport
- Battery life up to 14.5 hours with powered keyboard

Venue 11 Pro 5000

The Dell Venue 11 Pro 5000 offers three devices in one utility.

The portability of a tablet, the power of an laptop and the experience of a desktop. With a full-size mobile keyboard and desktop docking station, you can switch easily between desktop, laptop and tablet modes for a more flexible and versatile tablet experience.

	Lenovo ThinkPad® 10	Lenovo Yoga Tablet 2 10	HP ElitePad 1000 G2	HP Pro Tablet 610 (G1)
Operating System	Microsoft® Windows 8.1	Microsoft® Windows 8.1	Microsoft® Windows 8.1	Microsoft® Windows 8.1
Display	10.1" WUXGA (1900x1200) TFT	10.1" FHD (1920x1200) IPS	10.1" WUXGA (1900x1200)	10.1" WUXGA (1900x1200)
Processor	Intel® Atom™ Z3795 (QC)	Intel® Atom™ Z3745 (QC)	Intel® Atom™ Z3795 (QC)	Intel® Atom™ Z3795 (QC)
Memory	2 | 4 GB	2 GB LPDDR3 1033 Mhz	4 GB	2 | 4 GB
Storage options	64 | 128 GB Solid State	32 GB eMMC	64 | 128 GB Solid State	32 | 64 GB Solid State
Graphics	Intel® HD	Intel® HD	Intel® HD	Intel® HD
Camera (Front + Back)	2MP + 8MP (both 1080p video)	1.6MP + 8MP	2.1MP + 8MP	2MP + 8MP
Battery	Up to 10 hrs	Cylinder Li-ion 9600 mAh, up to 15 hrs	30 Whr Li-ion (2 cell)	31 Whr Li-ion (2 cell)
Input / Output	1x USB 2.0, microSD™, Audio	microUSB, microSD™, Audio	microSD™, Audio	1xmUSB, microSD™, Audio
Video ports	1x mHDMI	1x mHDMI		1x mHDMI (type D)
Wireless LAN	802.11 abgn	Dual Band 802.11 abgn	Broadcom 802.11 abgn	802.11 abgn
Wireless connectivity	BT 4.0, Optional NFC	BT 4.0	BT 4.0, NFC	BT 4.0 +LE
Mobile Broadband (WWAN)	Optional 4G LTE		Optional 4G LTE | HSPA+	
Physical security	Optional FPR (on A Cover)			
Built-in security	TPM 1.2 (TPM 2.0 Firmware)		TPM 1.2	TPM 1.2
Security software	Norton		HP Client Security, 3rd party	HP Client Security, 3rd party
Weight	598g (1.32 lbs)	630g (1.39 lbs)	680g (1.5 lbs)	652g (1.44 lbs)
Dimension (metric)	302mm x 11mm x 190mm	255mm x 7.2mm x 183mm	261mm x 9.2mm x 178mm	259.6mm x 9.9mm x 181.8mm
Dimension (US)	10.1in x 0.4in x 7.0in	10.1in x 0.28in x 7.2in	10.28in x 0.36in x 7.01in	10.2in x 0.4in x 7.2in
Stylus	Digitizer Pen		Executive Tablet Pen G2	Executive Tablet Pen G2
Keyboard (charging)			HP ElitePad Expansion Jacket	
Keyboard	Keyboard with hinge connection	Wireless keyboard	HP Bluetooth® Keyboard	HP Bluetooth® Keyboard
Desktop docking solution (I/O)	3x USB 3.0, HDMI, RJ45, Audio		4x USB 2.0, 1x HDMI, 1x VGA, RJ45	
Launch date	May 2014	October 2014	July 2014	April 2014

Why Dell Venue 11 Pro unique features:

- Swappable/replaceable battery
- Business class onsite support with Dell ProSupport
- Special purpose accessories for Healthcare, Retail, Rugged
- Battery life up to 14.5 hours
- Desktop dock option including USB, HDMI, DP, and RJ45 ports

Why Dell Venue 11 Pro:

- Swappable/replaceable battery
- Business class onsite support with Dell ProSupport
- Special purpose accessories for Healthcare, Retail, Rugged
- Battery life up to 14.5 hours

Why Dell Venue 11 Pro:

- Swappable/replaceable battery
- Desktop docking options with multiple I/O ports including 3x USB 3.0, RJ45, HDMI, & DP
- Mobile Broadband connectivity support
- Multiple keyboard options to include powered mobile and slim keyboards
- Standard tablet form factor design without cylindrical base.

Why Dell Venue 11 Pro:

- Swappable/replaceable battery
- USB & video ports on the tablet
- Added physical security with security cable lock slot on tablet
- Business class onsite support with Dell ProSupport
- Desktop dock option including USB, HDMI, DP, and RJ45 ports

Why Dell Venue 11 Pro:

- Swappable/replaceable battery
- Full size USB port with data transfer rates enabled by USB 3.0
- Battery life up to 14.5 hours with powered keyboard
- Special purpose accessories for Healthcare, Retail, Rugged
- Desktop dock option including USB, HDMI, DP, and RJ45 ports

Venue 8 Pro 5000

The Dell Venue 8 Pro 5000 offers ...

Fun meets productivity. Big entertainment and enterprising performance with an 8” Windows tablet that adapts to you

	Lenovo Yoga Tablet 2 8	HP Slate 8 Pro	Samsung Galaxy Tab® S 8.4	Apple iPad Mini 3
Operating System	Microsoft® Windows 8.1 (64-bit)	Microsoft® Windows 8.1	Android™ 4.4, KitKat®	Android™ 4.4, KitKat®	iOS 8
Display	8.0" IPS HD WXGA (1280x800)	8" FHD (1920x1200) IPS	8.0" WVA (1600x2100)	8.4" WQXGA (2560x1600) AMOLED	7.9" LED (2048x1536) IPS
Processor	Intel® Atom™ Z3745D (Quad Core)	Intel® Atom™ Z3745	NVIDIA® Tegra® 4 A15	Exynos™ 5 Octa (Quad Core)	A7 chip with M7 coprocessor
Memory	2 GB DDR3L	2 GB LPDDR3	1 GB LPDDR3	1.5 GB	Not listed
Storage options	32 | 64 eMMC storage	16 GB eMMC	16 GB eMMC	16 GB	16 | 64 | 128 GB
Graphics	microSD™ up to 64 GB	microSD™ up to 64 GB	microSD™ up to 32 GB	microSD™ up to 128 GB	
Camera (Front + Back)	1.2MP + 5MP	1.6MP + 8MP	720p + 8MP	2.1MP + 8MP	1.2MP + 5MP
Battery	18 Whr Li-ion (2 cell), up to 10 hrs	Cylinder 6400mAh Li-ion, up to 15 hrs		4900mAh Li-ion, up to 10 hrs	23.8 watt Li-ion, up to 9 hrs
Input / Output	1x microUSB, microSIM, Audio	1x microUSB, Audio	1x microUSB, Audio	1x microUSB, Audio	Audio
Video ports		1x mHDMI	1x mHDMI		
Wireless LAN	Intel® Dual-Band MIMO 802.11 abgn	Dual Band 802.11 abgn	802.11 abgn	802.11 abgn/ac	802.11 abgn
Wireless connectivity	BT 4.0	BT 4.0	BT 4.0	BT 4.0	BT 4.0
Mobile Broadband (WWAN)					GSM | EDGE | HSPA+ | LTE | CDMA
Physical security					
Built-in security	TPM (Firmware)				Fingerprint identity
Security software	Dell Data Protection, Computrace(O)				
Weight	388g (0.86 lbs)	426.4g (0.94 lbs)	453.6g (1.0 lb)	299g (0.65 lbs)	331g (0.73 lbs)
Dimension (metric)	216mm x 9mm x 130mm	210mm x 7mm x 149mm	220mm x 9.9mm x 141.5mm	210.1mm x 6.6mm x 125.5mm	200mm x 7.5mm x 134.7mm
Dimension (US)	8.5in x 0.35in x 5.12in	8.27in x 0.28in x 5.87in	8.66in x 0.39in x 5.57in	8.37in x 0.26in x 4.94in	7.87in x 0.29in x 5.3in
Stylus	Active				
Keyboard (charging)					
Keyboard	Dell Wireless keyboard	3rd party	3rd party	3rd party	3rd party
Desktop docking solution (I/O)					
Launch date	October 2013	November 2014	March 2014	July 2014	October 2014

Why Dell Venue 8 Pro unique features:

- Mobile Broadband connectivity support
- Precision stylus
- Special purpose accessories for Healthcare | Rugged
- Business class Rapid Return support with Dell ProSupport

Why Dell Venue 8 Pro:

- Mobile Broadband connectivity support
- Precision stylus
- Special purpose accessories for Healthcare | Rugged
- Business class Rapid Return support with Dell ProSupport

Why Dell Venue 8 Pro:

- Mobile Broadband connectivity support
- Multiple keyboard and case options
- Special purpose accessories for Healthcare | Rugged
- Business class Rapid Return support with Dell ProSupport

Why Dell Venue 8 Pro:

- Mobile Broadband connectivity support
- Multiple keyboard and case options
- Special purpose accessories for Healthcare | Rugged
- Precision stylus
- Business class Rapid Return support with Dell ProSupport

Why Dell Venue 8 Pro:

- Precision stylus
- USB port on the tablet
- Special purpose accessories for Healthcare | Rugged
- Business class Rapid Return support with Dell ProSupport

Venue 8 7000

The Dell Venue 8 7000 offers ...

The world's thinnest tablet wins the prestigious 2015 CES "Best of Innovation" award. Capture and view pictures with a gorgeous 8.4" 2560 x 1600 OLED infinity display with an Intel® RealSense™ Snapshot Depth Camera.

		Lenovo Yoga Tablet 2 8	HP Slate 8 Pro	Samsung Galaxy Tab® S 8.4	Apple iPad Mini 3
Android™ 4.4, KitKat®	Operating System	Android™ 4.4, KitKat®	Android™ 4.4, KitKat®	Android™ 4.4, KitKat®	iOS 8
8.4" WQQXGA (2560x600) OLED	Display	8" IPS LED (1920x1200	8.0" WVA (1600x2100)	8.4" WQXGA (2560x1600) AMOLED	7.9" LED (2048x1536) IPS
Intel® Atom™ Z3580 (Quad Core)	Processor	Intel® Atom™ Z3745	NVIDIA® Tegra® 4 A15	Exynos™ 5 Octa (Quad Core)	A7 chip with M7 coprocessor
2 GB LPDDR3	Memory	2 GB LPDDR3	1 GB LPDDR3	1.5 GB	Not listed
16 GB eMMC	Storage options	16 GB eMMC	16 GB eMMC	16 GB	16 | 64 | 128 GB
microSD™ up to 512 GB	Graphics	microSD™ up to 64 GB	microSD™ up to 32 GB	microSD™ up to 128 GB	
2.0MP + 8MP (Intel® RealSense™)	Camera (Front + Back)	1.6MP + 8MP	720p + 8MP	2.1MP + 8MP	1.2MP + 5MP
5900mAh Li-ion	Battery	6400mAh Li-ion, up to 15 hrs		4900mAh Li-ion, up to 10 hrs	23.8 watt Li-ion, up to 9 hrs
1x microUSB, Audio	Input / Output	1x microUSB, Audio	1x microUSB, Audio	1x microUSB, Audio	Audio
	Video ports		1x mHDMI		
Intel® 802.11 ac	Wireless LAN	802.11 abgn	802.11 abgn	802.11 abgn/ac	802.11 abgn
BT 4.0, Miracast	Wireless connectivity	BT 4.0	BT 4.0	BT 4.0	BT 4.0
	Mobile Broadband (WWAN)				GSM | EDGE | HSPA+ | LTE | CDMA
	Physical security				
	Built-in security				Fingerprint identity
	Security software				
305g (0.67 lbs)	Weight	426.4g (0.94 lbs)	453.6g (1.0 lb)	299g (0.65 lbs)	331g (0.73 lbs)
215.8mm x 6mm x 124.4mm	Dimension (metric)		220mm x 9.9mm x 141.5mm	210.1mm x 6.6mm x 125.5mm	200mm x 7.5mm x 134.7mm
8.5in x 0.24in x 4.89in	Dimension (US)		8.66in x 0.39in x 5.57in	8.37in x 0.26in x 4.94in	7.87in x 0.29in x 5.3in
	Stylus				
	Keyboard (charging)				
Keyboard Folio (Wireless)	Keyboard		3rd party	3rd party	3rd party
	Desktop docking solution (I/O)				
September 2014	Launch date	October 2014	March 2014	July 2014	October 2014

Why Dell Venue 8 7000 unique features:

- Thinnest tablet at 6mm
- Intel®RealSense™Snapshot Depth Camera
- Storage support up to 512 GB
- Dell Data Protection | Mobile Edition
- Premium Tablet Support with Acci-dental Damage Service & Rapid Return for Repair

Why Dell Venue 8 7000:

- Thinner & lighter
- Intel®RealSense™Snapshot Depth Camera
- Storage support up to 512 GB
- Dell Data Protection | Mobile Edition
- Premium Tablet Support with Acci-dental Damage Service & Rapid Return for Repair

Why Dell Venue 8 7000:

- Thinner & lighter
- Intel®RealSense™Snapshot Depth Camera
- Storage support up to 512 GB
- Dell Data Protection | Mobile Edition
- Premium Tablet Support with Acci-dental Damage Service & Rapid Return for Repair

Why Dell Venue 8 7000:

- Thinnest tablet at 6mm
- Intel®RealSense™Snapshot Depth Camera
- Storage support up to 512 GB
- Dell Data Protection | Mobile Edition
- Premium Tablet Support with Acci-dental Damage Service & Rapid Return for Repair

Why Dell Venue 8 7000:

- Thinner & lighter
- Intel®RealSense™Snapshot Depth Camera
- Storage support up to 512 GB
- Dell Data Protection | Mobile Edition
- Premium Tablet Support with Acci-dental Damage Service & Rapid Return for Repair

Latitude 12 Rugged Tablet

The mobility and utility of a tablet for the worst field conditions

	Panasonic Toughpad FZ-G1	Getac F110	Motion Computing R12	Xplore Bobcat
Processor	Up to 5th Gen Intel® Core™ M-5Y71	4th Gen Intel® Core™ i5-4310U	Up to 5th Gen Intel® Core™ i7-5600U	Up to 4th Gen Intel® Core™ i7-4610Y	Intel® Atom™ E3845
Operating System	Microsoft® Windows® 7, 8.1 and 10	Microsoft® Windows® 7 and 8.1	Microsoft® Windows® 7 and 8.1	Microsoft® Windows® 7 and 8.1	Microsoft® Windows® 7 and 8.1
Graphics	Intel HD Graphics 5300	Intel HD Graphics 4400	Intel HD Graphics 5500	Intel HD Graphics 4200	Intel Integrated Mobile Gen7 Graphics
Memory	Up to 8GB LPDDR3	Up to 8GB DDR3L	Up to 8GB DDR3	Up to 8GB DDR3L	4GB DDR3L
Display	11.6” HD (1366 x 768) 16:9 display outdoor-readable	10.1" FHD (1920 x 1200) 16:10 display outdoor-readable	11.6” HD (1366 x 768) 16:9 display outdoor-readable	12.5" FHD (1920 x 1080) 16:9 display outdoor-readable	10.1” HD (1366 x 768) 16:9 display outdoor-readable
Touch option	Glove-capable capacitive multi-touch	Glove-capable capacitive multi-touch	Glove-capable capacitive multi-touch	Capacitive multi-touch	Capacitive multi-touch
Hard drive option	NA	NA	NA	NA	NA
SSD option	Up to 512GB SSD Optional 256GB self-encrypting SSD	Up to 256GB SSD with heater Optional 256GB self-encrypting SSD	Up to 512GB SSD	Up to 256GB SSD	Up to 256GB SSD
Optical drive	NA	NA	NA	NA	NA
Accessory keyboard	Optional IP-65 keyboard cover	Optional third-party IP-65 keyboard	Optional third-party keyboard	Optional companion keyboard	Optional third-party keyboard
Battery life	Up to 12 hours with optional dual battery configuration; optional hot-swap	Up to 10 hours; Optional up to 20 hours; optional hot-swap	Up to 12.4 hours; hot-swap	Up to 9 hours; hot-swap	Up to 14 hours with optional dual battery configuration; optional hot-swap
Input / output	USB 3.0, micro serial port, microSD card reader, stereo audio combo jack Optional Ethernet/2x USB 3.0 module	USB 3.0, stereo audio combo jack Optional serial dongle or microSD card reader or second USB 2.0 or Ethernet	USB 3.0, stereo audio combo jack Optional serial dongle or microSD card reader or second USB 2.0 or Ethernet	USB 3.0, SD card, optional serial, stereo audio combo jack	2x USB 3.0, microSD card reader, stereo audio combo jack; Optional serial port
Video ports	Mini HDMI	HDMI	HDMI	HDMI	Micro HDMI
Wireless LAN	Intel® Dual Band Wireless 7265 802.11ac	Intel® Dual Band Wireless 7260 802.11ac	Intel® Dual Band Wireless 7265 802.11ac	Intel® Dual Band Wireless 7260 802.11ac	802.11ac
Wireless connectivity and GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Dedicated GPS
Mobile Broadband	Optional 4G LTE	Optional 4G LTE	Optional 4G LTE	Optional 4G LTE	Optional 4G LTE
Physical security	Cable lock slot	Cable lock slot	Cable lock slot		Cable lock slot
Security chips	Trusted platform module 1.2	Trusted platform module 1.2	Trusted platform module 1.2	Trusted platform module 1.2	Trusted platform module 1.2
Authentication factors	Fingerprint reader, smart card reader, contactless smart card reader	Optional smart card reader, optional contactless smart card reader	Optional fingerprint reader, optional contactless smart card reader	Fingerprint reader	Optional smart card reader
Security software	Dell ControlVault™, Dell Security Tools	Computrace® theft protection in BIOS	NIST BIOS compliant	Optional Computrace® Complete	
Starting weight	3.57 lbs. (1.62 kg) with single battery	2.4 lbs. (1.09 kg) with standard battery	3.08 lbs. (1.39 kg)	2.95 lbs. (1.34 kg)	2.4 lbs. (1.09 kg)
Size (metric)	312 mm x 203 mm x 24 mm	269 mm x 188 mm x 20 mm	314 mm x 207 mm x 24.5 mm	328 mm x 205 mm x 17 mm	281 mm x 180 mm x 220 mm
Size (US)	12.3" x 8.0" x 0.96"	10.6” x 7.4” x 0.8”	12.4” x 8.15” x 0.96”	12.9” x 8.1” x 0.65”	11.05” x 7.07” x 0.86”
Rugged certifications	MIL-STD-810G, 4 foot drop, IP-65, MIL-STD-461F, Hazardous Locations	MIL-STD-810G, 4 foot drop, IP-65, MIL-STD-461F, Hazardous Locations	MIL-STD-810G, 4 foot drop, IP-65, MIL-STD-461F, Hazardous Locations	MIL-STD-810G, 4 foot drop, IP-54	MIL-STD-810G, 4 foot drop, IP-65, Hazardous Locations, ATEX

Dell Latitude 12 Rugged Tablet unique features:

- Cameras with physical privacy shutter
- Optional sealed keyboard cover with customizable RGB backlight
- More configurable I/O with less compromise
- The most secure, most manageable fully rugged tablet

Why Dell Latitude 12 Rugged Tablet

- Better touch experience with an 11.6” screen and glove-capable touch
- More configurable I/O with less compromise
- Keep more of your data with up 512GB of SSD storage
- The most secure, most manageable fully rugged tablet

Why Dell Latitude 12 Rugged Tablet

- More configurable I/O with less compromise
- Cameras with physical privacy shutter
- Optional sealed keyboard cover with customizable RGB backlight
- The most secure, most manageable fully rugged tablet

Why Dell Latitude 12 Rugged Tablet

- More rugged with IP-65 rating, MIL-STD-461F and Hazardous Locations
- More configurable I/O with less compromise
- Keep more of your data with up 512GB of SSD storage
- The most secure, most manageable fully rugged tablet

Why Dell Latitude 12 Rugged Tablet

- Better touch experience with an 11.6” screen and glove-capable touch
- More configurable I/O with less compromise
- Keep more of your data with up 512GB of SSD storage
- The most secure, most manageable fully rugged tablet

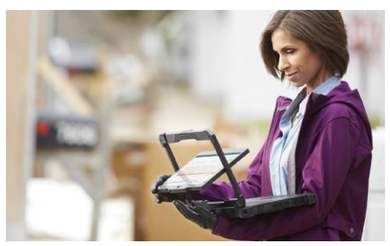
Latitude 12 Rugged Extreme

Compact size and adaptable use modes for the worst field conditions

	Panasonic Toughbook 19	Getac V110			
Up to 4th Gen Intel® Core™ i7-4650U	Processor	3rd Gen Intel® Core™ i5-3610ME		5th Gen Intel® Core™ i7-5600U					
Microsoft® Windows® 7 and 8.1	Operating System	Microsoft® Windows® 7 and 8.1		Microsoft® Windows® 7 and 8.1					
Intel HD Graphics 4400/5000	Graphics	Intel HD Graphics 4000		Intel HD Graphics 5500					
Up to 16GB DDR3L	Memory	Up to 16GB DDR3L		Up to 8GB DDR3					
11.6” HD (1366 x 768) 16:9 display outdoor-readable	Display	10.1” XGA (1024 x 768) 4:3 display outdoor-readable		11.6” HD (1366 x 768) 16:9 display outdoor-readable					
Resistive multi-touch	Touch option	Resistive multi-touch and digitizer		Capacitive multi-touch					
NA	Hard drive option	500GB 7200rpm HDD with heater		NA					
Up to 512GB SSD Optional 256GB self-encrypting SSD	SSD option	Up to 256GB SSD with heaters		Up to 512GB SSD					
NA	Optical drive	NA		NA					
Sealed, customizable RGB backlit keyboard	Keyboard	Sealed keyboard		Sealed backlit keyboard					
Up to 9.1 hours	Battery life	Up to 10 hours		Up to 13.6 hours					
2x USB 3.0, USB 2.0, serial, Ethernet, stereo audio combo jack, SD card reader, optional Express card	Input / output	USB 3.0, USB 2.0, serial, Ethernet, FireWire, modem, audio in, audio out, SD card reader, Express card		2x USB 3.0, USB 2.0, serial, Ethernet, stereo audio combo jack, SD card reader, Express card					
HDMI, VGA	Video ports	VGA		HDMI					
Intel® Dual Band Wireless 7260 802.11ac	Wireless LAN	Intel® Centrino® 6235 802.11abgn		Intel® Dual Band Wireless 7265 802.11ac					
802.11ac with Bluetooth Optional dedicated GPS	Wireless connectivity and GPS	Intel 802.11abgn and Bluetooth Optional dedicated GPS		802.11ac with Bluetooth Optional dedicated GPS					
Optional 4G LTE	Mobile Broadband	Optional 4G LTE		Optional 4G LTE					
Cable lock slot	Physical security	Cable lock slot		Cable lock slot					
Trusted platform module 1.2	Security chips	Trusted platform module 1.2		Trusted platform module 1.2					
Optional fingerprint reader, smart card reader, contactless smart card reader	Authentication factors	Optional fingerprint reader, optional smart card reader		Optional fingerprint reader, optional contactless smart card reader					
Dell ControlVault™, Dell Security Tools	Security software	Computrace® theft protection in BIOS		NIST BIOS compliant					
6.0 lbs. (2.72 kg)	Starting weight	5.1 lbs. (2.3 kg)		4.36 lbs. (1.98 kg)					
311 x 219 x 39 mm	Size (metric)	216 x 254 x 48 mm		299 x 223 x 34 mm					
12.2” x 8.6” x 1.6”	Size (US)	8.5" x 10.7" x 1.9"		11.7” x 8.78” x 1.34”					
MIL-STD-810G, 6 foot drop, IP-65, MIL-STD-461F, Hazardous Locations	Rugged certifications	MIL-STD-810G, 6 foot drop, IP-65, MIL-STD-461F, Hazardous Locations		MIL-STD-810G, 6 foot drop, IP-65, MIL-STD-461F, Hazardous Locations					

Dell Latitude 12 Rugged Extreme unique features:

- Industry-first rugged flip-hinge
- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable fully rugged convertible



Why Dell Latitude 12 Rugged Extreme :

- Larger 11.6” widescreen display
- Industry-first rugged flip-hinge
- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable fully rugged convertible

Why Dell Latitude 12 Rugged Extreme :

- More available memory
- Industry-first rugged flip-hinge
- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable fully rugged convertible

Latitude 14 Rugged Extreme

The highest levels of durability for productivity in the worst field conditions

	Panasonic Toughbook 31	Getac B300	Getac X500
Processor	5th Gen Intel® Core™ i5-5300U	Up to 4th Gen Intel® Core™ i7-4610M	Up to 4th Gen Intel® Core™ i7-4610M
Operating System	Microsoft® Windows® 7 and 8.1	Microsoft® Windows® 7 and 8.1	Microsoft® Windows® 7 and 8.1
Graphics	Intel HD Graphics 5500	Intel HD Graphics 4600	Intel HD Graphics 4600 Optional NVIDIA discrete graphics
Memory	Up to 16GB DDR3L	Up to 16GB DDR3	Up to 16GB DDR3
Display	13.1" XGA (1024 x 768) 4:3 display outdoor-readable	13” XGA (1024 x 768) 4:3 display outdoor-readable	15.6” FHD (1920 x 1080) 16:9 display outdoor-readable
Touch option	Resistive touch	Resistive touch	Optional resistive touch
Hard drive option	500 GB 7200rpm HDD with heater	500 GB HDD	500 GB HDD
SSD option	Up to 512GB SSD with heater	Up to 512GB SSD	Up to 1 TB SSD
Optical drive	Optional DVD Super MULTI Drive	Optional super multi DVD	Super multi-DVD
Keyboard	Sealed, backlit keyboard	Sealed, backlit keyboard	Sealed, backlit keyboard
Battery life	Up to 18 hours with optional 2nd battery	Up to 15 hours	Not specified
Input / output	USB 3.0, 3x USB 2.0, serial, Ethernet, opt FireWire, audio in, audio out, SD card reader, Express card	USB 3.0, 2x USB 2.0, 2x serial, Ethernet, eSATA, opt FireWire, audio in + out, SD card reader, Express card	2x USB 3.0, 2x USB 2.0, 2x serial, 2x Ethernet, eSATA, opt FireWire, audio in + out, SD card reader, Express card
Video ports	HDMI, VGA	HDMI, VGA	HDMI, VGA
Wireless LAN	Intel® Dual Band Wireless 7265 802.11ac	Intel® Dual Band Wireless 7260 802.11ac	Intel® Dual Band Wireless 7260 802.11ac
Wireless connectivity and GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Optional dedicated GPS
Mobile Broadband	Optional 4G LTE	Optional 4G LTE	Optional 4G LTE
Physical security	Cable lock slot	Cable lock slot	Cable lock slot
Security chips	Trusted platform module 1.2	Trusted platform module 1.2	Trusted platform module 1.2
Authentication factors	Optional fingerprint reader, optional smart card reader	Fingerprint reader	Fingerprint reader, smart card reader
Security software	Computrace® theft protection in BIOS	NIST BIOS compliant	
Starting weight	7.9 lbs.	7.7 lbs. (3.5 kg)	11.4 lbs. (5.2 kg)
Size (metric)	292 x 302 x 74 mm	303.5 x 263 x 60 mm	410 x 290 x 65 mm
Size (US)	11.5" x 11.9" x 2.9"	11.9" x 10.35" x 2.36"	16.1" x 11.4" x 2.5"
Rugged certifications	MIL-STD-810G, 6 foot drop, IP-65, MIL-STD-461F, Hazardous Locations	MIL-STD-810G, 6 foot drop, IP-65, MIL-STD-461F, Hazardous Locations	MIL-STD-810G, 6 foot drop, IP-65, MIL-STD-461F, Hazardous Locations

Dell Latitude 14 Rugged Extreme unique features:

- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable fully rugged notebook

Why Dell Latitude 14 Rugged Extreme :

- Larger 14.0” widescreen display
- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable fully rugged notebook

Why Dell Latitude 14 Rugged Extreme :

- Larger 14.0” widescreen display
- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable fully rugged notebook

Why Dell Latitude 14 Rugged Extreme :

- Lighter and more compact
- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable fully rugged notebook

Latitude 14 Rugged

Best value notebook for performance and durability in the field

	Panasonic Toughbook 54	Panasonic Toughbook 53	Getac S400
Processor	Up to 4th Gen Intel® Core™ i7-4650U	5th Gen Intel® Core™ i5-5300U	4th Gen Intel® Core™ i5-4310U	4th Gen Intel® Core™ i5-4210M	
Operating System	Microsoft® Windows® 7 and 8.1	Microsoft® Windows® 7 and 8.1	Microsoft® Windows® 7 and 8.1	Microsoft® Windows® 7 and 8.1	
Graphics	Intel HD Graphics 4400/5000 Optional NVIDIA discrete graphics	Intel HD Graphics 5500 Optional AMD discrete graphics	Intel HD Graphics 4400	Intel HD Graphics 4600	
Memory	Up to 16GB DDR3L	Up to 16GB DDR3L	Up to 8GB DDR3L	Up to 16GB DDR3L	
Display	14.0” HD (1366 x 768) 16:9 display outdoor-readable	14” FHD (1920 x 1080) 16:9 display outdoor-readable	14.0” HD (1366 x 768) 16:9 display outdoor-readable	14.0” HD (1366 x 768) 16:9 display outdoor-readable	
Touch option	Optional resistive touch	Optional glove-capable multi-touch	Optional touch	Optional multi-touch	
Hard drive option	500GB 5400rpm HDD up to 1TB SSHD	Up to 1TB 7200rpm HDD (w opt heater)	Up to 500GB 7200rpm HDD (opt heater)	Up to 500GB HDD	
SSD option	Up to 1TB SSD Optional 500GB self-encrypting SSD	Up to 256GB SSD with optional heater Optional 2nd drive up to 256GB SSD	Up to 512GB SSD with optional heater	Up to 512GB SSD	
Optical drive	Optional DVD+/-RW	Optional DVD Super MULTI Drive	DVD Super MULTI Drive	Optional Super multi DVD	
Keyboard	Sealed, customizable RGB backlit keyboard	Sealed, backlit keyboard	Sealed keyboard with optional backlight	Sealed keyboard with optional backlight	
Battery life	Up to 14 hours with 9-cell battery	Up to 18 hours with optional 2nd battery	Up to 15 hours (Elite model)	Not specified	
Input / output	2x USB 3.0, 2x USB 2.0, 2x serial, 2x Ethernet, stereo audio combo jack, SD card reader, Express card	3x USB 3.0, optional USB 2.0, optional serial, Ethernet (optional 2nd), Fischer, stereo audio combo jack, SD card reader	2x USB 3.0, 2x USB 2.0, serial, Ethernet (opt 2nd), opt FireWire, opt modem, audio in, audio out, SD card, Express	3x USB 3.0, USB 2.0, serial, Ethernet, eSATA, audio in + out, SD card reader	
Video ports	HDMI, VGA	HDMI, optional VGA	HDMI, VGA	HDMI, VGA	
Wireless LAN	Intel® Dual Band Wireless 7260 802.11ac	Intel® Dual Band Wireless 7265 802.11ac	Intel® Dual Band Wireless 7260 802.11ac	Intel® Dual Band Wireless 7260 802.11ac	
Wireless connectivity and GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Optional dedicated GPS	802.11ac with Bluetooth Optional dedicated GPS	
Mobile Broadband	Optional 4G LTE	Optional 4G LTE	Optional 4G LTE	Optional 4G LTE	
Physical security	Cable lock slot	Cable lock slot	Cable lock slot	Cable lock slot	
Security chips	Trusted platform module 1.2	Trusted platform module 1.2	Trusted platform module 1.2	Trusted platform module 1.2	
Authentication factors	Optional fingerprint reader / smart card reader / contactless smart card reader	Optional fingerprint reader / smart card reader / contactless smart card reader	Optional fingerprint reader / smart card reader / contactless smart card reader	Fingerprint reader, smart card reader	
Security software	Dell ControlVault™, Dell Security Tools	Computrace® theft protection in BIOS	Computrace® theft protection in BIOS	NIST BIOS compliant	
Starting weight	6.5 lbs. (2.95 kg)	4.2 lbs. (1.9 kg) (Lite model)	5.6 lbs. (2.54 kg) (Lite model)	6.4 lbs. (2.9 kg)	
Size (metric)	347 x 243 x 44.4 mm	272 x 345 x 30 mm	282 x 340 x 46-56 mm	348 x 258 x 49.2 mm	
Size (US)	13.66” x 9.57” x 1.73”	10.7" x 13.6" x 1.2"	11.1" x 13.4" x 1.8-2.2"	13.7" x 10.15" x 1.93"	
Rugged certifications	MIL-STD-810G, 3 foot drop, IP-52	MIL-STD-810G, 3 foot drop, IP-51	MIL-STD-810G, 3 foot drop	MIL-STD-810G, 3 foot drop, IP-5x	

Dell Latitude 14 Rugged
unique features:

- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable rugged notebook

Why Dell Latitude 14 Rugged:

- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable rugged notebook

Why Dell Latitude 14 Rugged:

- Optional discrete graphics
- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable rugged notebook

Why Dell Latitude 14 Rugged:

- Optional discrete graphics
- Docking compatible with the entire Latitude Rugged family of notebooks
- RGB backlit sealed keyboard
- Webcam with physical security shutter
- The most secure, most manageable rugged notebook

Chromebook 11

The first Chromebook “built for the backpack.” Impressive durability allows this Chromebook to meet the rigors of school and other use. Impressive design elements provide easy collaboration and all day use. Inspiring a rich learning, easy home and work experience, it supports education, consumer and commercial focused apps with a full ecosystem for each segment.

Lenovo N21		Acer C740		ASUS C200		HP Chromebook 11 G3
4th Generation Intel® Celeron N3205	Processor	4th Generation Intel® Celeron N2840		4th Generation Intel® Celeron N2840		4th Generation Intel® Celeron N2840
Chrome OS	Operating System	Chrome OS		Chrome OS		Chrome OS
Integrated Intel	Graphics	Integrated Intel		Integrated Intel		Integrated Intel
2GB, 4GB RAM	Memory	2GB, 4GB RAM		2GB, 4GB RAM		2GB, 4GB RAM
11.6"	Display	11.6"		11.6"		11.6"
Yes	Touch option	No		No		No
N/A	Hard drive option	N/A		N/A		N/A
16GB SSD	SSD option	16GB SSD		16GB SSD		16GB SSD
N/A	Optical drive	N/A		N/A		N/A
Chrome Layout	Keyboard	Chrome Layout		Chrome Layout		Chrome Layout
Up to 10 hours	Battery life	Up to 9.5 hours		Up to 9 hours		Up to 11 hours
1 USB 3.0, 1 USB 2.0, SD	Input / output	1 USB 3.0, 1 USB 2.0, 2-in-1 card reader		1 USB 3.0, 1 USB 2.0, SD		1 USB 3.0, 1 USB 2.0, SD
1 HDMI	Video ports	1 HDMI		1 HDMI		1 HDMI
N/A	Wireless LAN	N/A		N/A		N/A
802.11ac/a/b/g/n Wifi + BT 4.0	Wireless connectivity	802.11ac/a/b/g/n Wifi + BT 4.0		802.11ac/a/b/g/n Wifi + BT 4.0		802.11ac/a/b/g/n Wifi + BT 4.0
N/A	Mobile Broadband	N/A		N/A		N/A
Kensington security slot cable	Physical security	Kensington security slot cable		Kensington security slot cable		Kensington security slot cable
N/A	Security chips	N/A		N/A		N/A
N/A	Authentication factors	N/A		N/A		N/A
N/A	Security software	N/A		N/A		N/A
2.78 lbs (1.3kg)	Weight	2.86 lbs (1.3kg)		2.86 lbs (1.3kg)		2.5 lbs (1.1kg)	2.82 lbs (1.3kg)
(295 x 200 x 24 mm)	Size (metric)	(295 x 200 x 24 mm)		(295 x 200 x 24 mm)		(295 x 200 x 24 mm)	(295 x 200 x 24 mm)
(11.6" x 7.9 x .97")	Size (US)	(11.6" x 7.9 x .97")		(11.6" x 7.9 x .97")		(11.6" x 7.9 x .97")	(11.6" x 7.9 x .97")
12.02.2015	Launch date	mars.15		févr.15		2014	Late 2014

Dell Chromebook 11 unique features:

- MIL-spec drop tested
- Dell Activity Light to enhance classroom experience

Why Dell Chromebook 11:

- Dell provides superior durability and reliability with MIL-Spec drop testing, spill resistant keyboard/touchpad.
- Dell offers the Dell Activity Light to enhance the classroom experience
- Dell is the most trusted Google partner and recently won 2015 Google for Work Education Partner of the Year signaling our commitment to Chrome and Google.

Why Dell Chromebook 11:

- Dell’s product is built for Education whereas this product is not
- Dell provides superior durability and reliability with MIL-Spec drop testing, spill resistant keyboard/touchpad.
- Dell offers the Dell Activity Light to enhance the classroom experience
- Dell is the most trusted Google partner and recently won 2015 Google for Work Education Partner of the Year signaling our commitment to Chrome and Google.

Why Dell Chromebook 11:

- Dell’s product is built for Education whereas this product is not
- Dell provides superior durability and reliability with MIL-Spec drop testing, spill resistant keyboard/touchpad.
- Dell offers the Dell Activity Light to enhance the classroom experience
- Dell is the most trusted Google partner and recently won 2015 Google for Work Education Partner of the Year signaling our commitment to Chrome and Google.

Why Dell Chromebook 11:

- Dell’s product is built for Education whereas this product is not
- Dell provides superior durability and reliability with MIL-Spec drop testing, spill resistant keyboard/touchpad.
- Dell offers the Dell Activity Light to enhance the classroom experience
- Dell is the most trusted Google partner and recently won 2015 Google for Work Education Partner of the Year signaling our commitment to Chrome and Google.

Chromebook 13

The first professional Chromebook built with Carbon Fiber and mag alloy chassis to impress the “C” suite of SB, commercial customers and their discerning clients. It’s sleek design and uncompromising fit and finish combined with an industry first fifth generation i5 performance and stunning display will last 12+ hours for optimum productivity. Complimented by a full eco-system and award winning Dell service.

Lenovo N21				HP Chromook14			
Intel Broadwell 32015U, 5005U i3, 5300 i5	Processor	Intel Broadwell Core i5, i7		Intel Celeron N2840			
Chrome OS	Operating System	Chrome OS		Google Chrome OS			
Integrated Intel	Graphics	Integrated Intel		Intel HD Grpahics			
2GB, 4GB, 8GB RAM	Memory	8GB, 16GB RAM		Up to 8 GB DDR3L memory			
13.3" (1080p)	Display	12.85" (2560x1700)		14” HD or Full HD IPS			
Yes	Touch option	Yes		No Touch Option			
N/A	Hard drive option	N/A		Up to 32GB eMMC			
16GB, 32GB SSD	SSD option	32GB, 64GB SSD		Up to 32GB eMMC			
N/A	Optical drive	N/A		None			
Chrome Layout	Keyboard	Chrome Layout		Backlit not offered			
Up to 12 hours	Battery life	Up to 12 hours		Up to 9 hour and 15 minutes			
1 USB 3.0, 1 USB 2.0, microSD	Input / output	2 USB 3.0, 2 USB Type C, SD		1xUSB 3.0, 2xUSB 2.0, SD			
1 HDMI	Video ports	1 HDMI		1xHDMI			
N/A	Wireless LAN	N/A		Intel 802.11ac (2x2)			
802.11ac/a/b/g/n Wifi + BT 4.0	Wireless connectivity	802.11ac/a/b/g/n Wifi + BT 4.0		Bluetooth 4.0			
N/A	Mobile Broadband	N/A		NA			
Noble security slot cable	Physical security	N/A		Kensington lock slot			
N/A	Security chips	N/A		TPM			
N/A	Authentication factors	N/A		NA			
N/A	Security software	N/A		NA			
3.23 lbs (1.5kg)	Weight	3.35lbs (1.5kg)		Starting at 1.69 kg / 3.74 lbs			
(327 x 228 x 13mm)	Size (metric)	(299 x 224 x 16mm)		343.9 x 240.0 x 17.7 mm			
(12.9 x 9.0 x .51")	Size (US)	11.80 x 8.84 x 0.64 inches		13.54 x 9.45 x 0.7 in			
17.09.2015	Launch date	juin.15		October 2015			

Dell Chromebook 13 unique features:

- Carbon Fiber Cover and Aluminium base
- Backlit keyboard

Why Dell Chromebook 13:

- Google is limited in its production of Google Pixel 2 and isn’t expected to actively compete against Dell’s offering
- Better Value
- Dell offers full commercial solution with Dell KACE, vWorkspace, SonicWall VPN

Why Dell Chromebook 13:

- Commercial grade, Superior fit and finish with arbon fiber finish and magnesium alloy is light, durable, cool to the touch
- Dell Chromebook 13 offers a full line of high performance Intel Celeron, Core i3 and i5 processors.
- Optionial 13.3” touch screen FHD IPS display with optional scratch-resistant Corning® Gorilla® Glass NBT™ touch display.
- The Chromebook 13 offers full ProSupport

XPS 13 (9343)

Erase borders, starting with the display.

The XPS 13 isn't just the smallest 13-inch laptop on the planet, it also has the world's first virtually borderless infinity display with optional touch

"The smallest 13-inch on the planet in a package size of a typical 11-inch laptop including its exclusive infinity display and carbon fiber and aluminum enclosure."
— CES

	Lenovo X1 Carbon	HP EliteBook 1040 G2	Apple MacBook Air 13"	Apple MacBook Pro 13"
Processor	5th generation Intel® Core™ i3, i5 or i7	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ i5 or i7
Operating System	Microsoft® Windows 8.1	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Linux	MacOS X
Graphics	Intel HD Graphics 5500	Intel HD Graphics 5500	Intel HD Graphics 5500	Intel HD Graphics 6000
Memory	Up to 8 GB DDR3L memory	Up to 8 GB DDR3L memory (2 DIMM)	Up to 8 GB DDR3L memory (1 DIMM)	Up to 8GB LPDDR3 memory
Display	13.3" Full HD or QHD+ infinity display	14" WQHD (2560x1440) or Full HD	14" HD+ (1600x900) or Full HD	13.3" HD+ (1440 x 900)
Touch option	Touch with Ultrasharp QHD+ display	Touch with WQHD IPS panel	N.A.	N.A.
Hard drive option	N.A.	N.A.	N.A.	N.A.
SSD option	Up to 512GB SSD	Up to 512GB SSD	Up to 512GB SSD	Up to 512GB SSD
Optical drive	None	None	None	None
Keyboard	Backlit	Backlit	Backlit	Backlit
Battery life	Up to 15 hours battery life	Up to 10.8 hours battery life	Information not available	Up to 12 hours battery life
Input / output	2x USB 3.0, SD	2x USB 3.0	2x USB 3.0, mSD, RJ-45 with dongle	2x USB 3.0, SD
Video ports	1x mini DisplayPort	1x mini DisplayPort, 1x HDMI	1x DisplayPort	1x Thunderbolt 2
Wireless LAN	Intel 2x2 WLAN	Intel 2x2 WLAN	WLAN	2x2 WLAN
Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0, NFC	Bluetooth 4.0
Mobile Broadband	N.A.	Optional 4G mobile broadband	Optional 4G LTE mobile broadband	N.A.
Physical security	Kensington lock slot	Kensington lock slot	Information not available	N.A.
Security chips	TPM	TPM	TPM	
Authentication factors	N.A.	Fingerprint reader	Fingerprint reader, smart card reader	N.A.
Security software	Dell Data Protection | Encryption	No encryption software	Full volume encryption	N.A.
Weight	Starting at 1.18 kg / 2.6 lbs	Starting at 1.306 kg / 2.88 lbs	Starting at 1.51 kg / 3.32 lbs	Starting at 1.35 kg / 2.96 lbs
Size (metric)	304 x 200 x 9-15 mm	338 x 233 x 15.6 mm	338 x 233 x 15.9 mm	325 x 227 x 3-17
Size (US)	11.98 x 7.88 x 0.33-0.6 in	13.31 x 9.19 x 0.63 in	13.31 x 9.19 x 0.63 in	12.8 x 8.94 x 0.11-0.68
Launch date	January 2015	January 2015	January 2015	

Dell XPS 13 unique features:

Smallest 13-inch on the planet with world's first InfinityEdge display - 5.2mm thin bezels

InfinityEdge display enables Dell to fit a 13-inch display in the size of an 11-inch notebook

Longest battery life of an 13-inch note-book

Why Dell XPS 13:

The Dell XPS 13 is smaller and lighter than Lenovo X1 Carbon.

- InfinityEdge display
- Smaller, thinner and lighter
- Longer battery life
- Machined aluminum and carbon fiber construction

Why Dell XPS 13:

The Dell XPS 13 is smaller and lighter than HP EliteBook 1040 G2.

- InfinityEdge display
- Smaller, thinner and lighter
- Higher resolution display
- Longer battery life
- Machined aluminum and carbon fiber construction

Why Dell XPS 13:

The Dell XPS 13 is smaller and lighter than the Apple MacBook Air 13

- InfinityEdge display (73% thinner bezel)
- 17% smaller and lighter
- Higher resolution - 4.4 million more pixels
- 3 hours longer battery life
- Touch option

Why Dell XPS 13:

The Dell XPS 13 is smaller and lighter than the Apple MacBook Pro

- InfinityEdge display
- 11% smaller and 25% lighter
- Higher resolution - 1.5 million more pixels
- 6 hours longer battery life
- Touch option

Dell - Internal Use - Confidential

XPS 13 (9343)

Erase borders, starting with the display.

The XPS 13 isn't just the smallest 13-inch laptop on the planet, it also has the world's first virtually borderless infinity display with optional touch

"The smallest 13-inch on the planet in a package size of a typical 11-inch laptop including its exclusive infinity display and carbon fiber and aluminum enclosure."
— CES

Apple MacBook 12

5th generation Intel® Core™ i3, i5 or i7		Processor		4th generation Intel® Core™ M							
Microsoft® Windows 8.1		Operating System		MacOS X							
Intel HD Graphics 5500		Graphics		Intel HD 5300							
Up to 8 GB DDR3L memory		Memory		8GB LPDDR3 memory							
13.3" Full HD or QHD+ infinity display		Display		12" Retina (2304x1440)							
Touch with Ultrasharp QHD+ display		Touch option		N.A.							
N.A.		Hard drive option		N.A.							
Up to 512GB SSD		SSD option		Up to 512GB PCIe SSD							
None		Optical drive		None							
Backlit		Keyboard		Backlit							
Up to 15 hours battery life		Battery life		Up to 9 hours battery life							
2x USB 3.0, SD		Input / output		1xUSB-C							
1x mini DisplayPort		Video ports									
Intel 2x2 WLAN		Wireless LAN		2x2 WLAN							
Bluetooth 4.0		Wireless connectivity		Bluetooth 4.0							
N.A.		Mobile Broadband		N.A.							
Kensington lock slot		Physical security		N.A.							
TPM		Security chips									
N.A.		Authentication factors		N.A.							
Dell Data Protection | Encryption		Security software		N.A.							
Starting at 1.18 kg / 2.6 lbs		Weight		Starting at 0.92 kg / 2.03 lbs							
304 x 200 x 9-15 mm		Size (metric)		280.5 x 196.5 x 3.5-13.1							
11.98 x 7.88 x 0.33-0.6 in		Size (US)		11.04 x 7.74 x 0.14-0.52 in							
January 2015		Launch date		April 2015							

Dell XPS 13 unique features:

Smallest 13-inch on the planet with world's first InfinityEdge display - 5.2mm thin bezels

InfinityEdge display enables Dell to fit a 13-inch display in the size of an 11-inch notebook

Longest battery life of an 13-inch note-book

Why Dell XPS 13:

The Dell XPS 13 is more powerful and has a larger, higher resoltion display than the Apple MacBook 12

- InfinityEdge display (53% thinner bezel) higher resolution - 2.4 million more pixels
- 6 hours longer battery life
- Expanded connectivity options
- Touch option

NEW XPS 13 (9350)

Erase borders, starting with the display.

The XPS 13 isn't just the smallest 13-inch laptop on the planet, it also has the world's first virtually borderless infinity display with optional touch

"The smallest 13-inch on the planet in a package size of a typical 11-inch laptop including its exclusive infinity display and carbon fiber and aluminum enclosure."
— CES

	Lenovo X1 Carbon	HP EliteBook 1040 G2	Apple MacBook Air 13	Apple MacBook Pro 13
Processor	6th generation Intel® Core™ i3, i5 or i7	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ i5 or i7
Operating System	Microsoft® Windows 10	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Linux	MacOS X
Graphics	Intel HD Graphics 5200	Intel HD Graphics 5500	Intel HD Graphics 5500	Intel HD Graphics 6000	Intel Iris graphics 6100
Memory	Up to 16GB LPDDR3 memory	Up to 8 GB DDR3L memory (2 DIMM)	Up to 8 GB DDR3L memory (1 DIMM)	Up to 8GB LPDDR3 memory	Up to 16GB LPDDR3 memory
Display	13.3" FHD or QHD+ InfinityEdge display	14" WQHD (2560x1440) or Full HD	14" HD+ (1600x900) or Full HD	13.3" HD+ (1440 x 900)	13.3" Retina (2560 x 1600)
Touch option	Touch with UltraSharp QHD+ display	Touch with WQHD IPS panel	N.A.	N.A.	N.A.
Hard drive option	N.A.	N.A.	N.A.	N.A.	N.A.
SSD option	Up to 1TB PCIe SSD	Up to 512GB SSD	Up to 512GB SSD	Up to 512GB SSD	Up to 512GB PCIe SSD
Optical drive	None	None	None	None	None
Keyboard	Backlit	Backlit	Backlit	Backlit	Backlit
Battery life	Up to 18 hours battery life	Up to 10.8 hours battery life	Information not available	Up to 12 hours battery life	Up to 9 hours battery life
Input / output	2x USB 3.0, SD	2x USB 3.0	2x USB 3.0, mSD, RJ-45 with dongle	2x USB 3.0, SD	2x USB 3.0, SD
Video ports	1x Thunderbolt 3	1x mini DisplayPort, 1x HDMI	1x DisplayPort	1x Thunderbolt 2	2x Thunderbolt, 1x HDMI
Wireless LAN	2x2 WLAN	Intel 2x2 WLAN	WLAN	2x2 WLAN	2x2 WLAN
Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0, NFC	Bluetooth 4.0	Bluetooth 4.0
Mobile Broadband	N.A.	Optional 4G mobile broadband	Optional 4G LTE mobile broadband	N.A.	N.A.
Physical security	Noble lock slot	Kensington lock slot	Information not available	N.A.	N.A.
Security chips	TPM	TPM	TPM		
Authentication factors	N.A.	Fingerprint reader	Fingerprint reader, smart card reader	N.A.	N.A.
Security software	Dell Data Protection | Encryption	No encryption software	Full volume encryption	N.A.	N.A.
Weight	Starting at 1.2kg / 2.7 lbs	Starting at 1.306 kg / 2.88 lbs	Starting at 1.51 kg / 3.32 lbs	Starting at 1.35 kg / 2.96 lbs	Starting at 1.58 kg / 3.48 lbs
Size (metric)	304 x 200 x 9-15 mm	338 x 233 x 15.6 mm	338 x 233 x 15.9 mm	325 x 227 x 3-17	314 x 219 x 18
Size (US)	11.98 x 7.88 x 0.33-0.6 in	13.31 x 9.19 x 0.63 in	13.31 x 9.19 x 0.63 in	12.8 x 8.94 x 0.11-0.68	12.35 x 8.62 x 0.71
Launch date	October 2015	January 2015	January 2015		

Dell XPS 13 unique features:

Smallest 13-inch on the planet with world's first InfinityEdge display - 5.2mm thin bezels

InfinityEdge display enables Dell to fit a 13-inch display in the size of an 11-inch notebook

Longest battery life of a 13-inch laptop

Why Dell XPS 13:

The Dell XPS 13 is smaller and lighter than Lenovo X1 Carbon.

- InfinityEdge display
- Smaller, thinner and lighter
- Longer battery life
- Machined aluminum and carbon fiber construction

Why Dell XPS 13:

The Dell XPS 13 is smaller and lighter than HP EliteBook 1040 G2.

- InfinityEdge display
- Smaller, thinner and lighter
- Higher resolution display
- Longer battery life
- Machined aluminum and carbon fiber construction

Why Dell XPS 13:

The Dell XPS 13 is smaller and lighter than the Apple MacBook Air 13

- InfinityEdge display (73% thinner bezel)
- 17% smaller and lighter
- Higher resolution - 4.4 million more pixels
- 6 hours longer battery life
- Touch option

Why Dell XPS 13:

The Dell XPS 13 is smaller and lighter than the Apple MacBook Pro

- InfinityEdge display
- 11% smaller and 25% lighter
- Higher resolution - 1.5 million more pixels
- 7 hours longer battery life
- Touch option

Dell - Internal Use - Confidential

NEW XPS 13 (9350)

Erase borders, starting with the display.

The XPS 13 isn't just the smallest 13-inch laptop on the planet, it also has the world's first virtually borderless infinity display with optional touch

"The smallest 13-inch on the planet in a package size of a typical 11-inch laptop including its exclusive infinity display and carbon fiber and aluminum enclosure."
— CES

Apple MacBook 12

6th generation Intel® Core™ i3, i5 or i7		Processor		4th generation Intel® Core™ M							
Microsoft® Windows 10		Operating System		MacOS X							
Intel HD Graphics 5200		Graphics		Intel HD 5300							
Up to 16GB LPDDR3 memory		Memory		8GB LPDDR3 memory							
13.3" FHD or QHD+ InfinityEdge display		Display		12" Retina (2304x1440)							
Touch with UltraSharp QHD+ display		Touch option		N.A.							
N.A.		Hard drive option		N.A.							
Up to 1TB PCIe SSD		SSD option		Up to 512GB PCIe SSD							
None		Optical drive		None							
Backlit		Keyboard		Backlit							
Up to 18 hours battery life		Battery life		Up to 9 hours battery life							
2x USB 3.0, SD		Input / output		1xUSB-C							
1x Thunderbolt 3		Video ports									
2x2 WLAN		Wireless LAN		2x2 WLAN							
Bluetooth 4.0		Wireless connectivity		Bluetooth 4.0							
N.A.		Mobile Broadband		N.A.							
Noble lock slot		Physical security		N.A.							
TPM		Security chips									
N.A.		Authentication factors		N.A.							
Dell Data Protection | Encryption		Security software		N.A.							
Starting at 1.2kg / 2.7 lbs		Weight		Starting at 0.92 kg / 2.03 lbs							
304 x 200 x 9-15 mm		Size (metric)		280.5 x 196.5 x 3.5-13.1							
11.98 x 7.88 x 0.33-0.6 in		Size (US)		11.04 x 7.74 x 0.14-0.52 in							
October 2015		Launch date		April 2015							

Dell XPS 13 unique features:

Smallest 13-inch on the planet with world's first InfinityEdge display - 5.2mm thin bezels

InfinityEdge display enables Dell to fit a 13-inch display in the size of an 11-inch notebook

Longest battery life of a 13-inch laptop

Why Dell XPS 13:

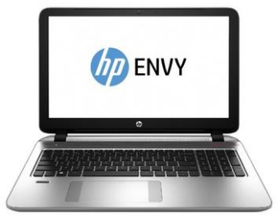
The Dell XPS 13 is more powerful and has a larger, higher resoltion display than the Apple MacBook 12

- InfinityEdge display (53% thinner bezel) higher resolution - 2.4 million more pixels
- 9 hours longer battery life
- Expanded connectivity options
- Touch option

NEW XPS 15 (9550)

Pushing innovation to the edge.

The world's smallest 15" laptop with a virtually borderless InfinityEdge display - all in our most powerful XPS laptop.



Apple MacBook Pro 15		HP Envy 15t		Lenovo U530		Asus ZenBook
6th generation Intel® Core™ i3, i5 or i7	Processor	5th generation Intel® Core™ i5 or i7	5th generation Intel® Core™ i5 or i7	4th generation Intel® Core™ i3, i5 or i7		4th generation Intel® Core™ i7
Microsoft® Windows 10	Operating System	MacOS X	Windows 8.1	Windows 8.1		Windows 8.1
Intel HD 530 or NVIDIA GTX 960M 2GB GDDR5	Graphics	Intel Iris Pro or Radeon R9 M370X 2GB GDDR5	HD Graphics 5500 or NVIDIA GTX 950M 4GB	HD Graphics 4400 or NVIDA 730M 2GB		NVIDIA GTX 960M 2GB GDDR5
Up to 16GB 2133MHz memory	Memory	Up to 16GB LPDDR3 memory	Up to 16GB	Up to 8GB DDR3L		Up to 16GB
15.6" FHD or 4K Ultra HD InfinityEdge display	Display	15.4" Retina (2880 x 1800)	15.6" HD, FHD or QHD+ (3200x1800)	15.6" HD or FHD (1920 x 1080)		15.6" 4K Ultra HD (2840 x 2160)
Touch with UltraSharp 4K Ultra HD display	Touch option	N.A.	N.A.	Touch		Touch
Up to 1TB + 32GB Flash	Hard drive option	N.A.	Up to 2TB Hybrid	Up to 1TB		N.A.
Up to 1TB PCIe SSD	SSD option	Up to 1TB PCIe SSD	256GB SSD	256GB		Up to 512GB SSD
None	Optical drive	None	SuperMulti DVD burner	None		N.A.
Backlit	Keyboard	Backlit	Backlit	Backlit		Backlit
Up to 17 hours battery life	Battery life	Up to 9 hours battery life	Up to 9.5 hours battery life	Up to 10 hours battery life		Up to 6 hours battery life
2x USB 3.0, SD	Input / output	2x USB 3.0, SD	4x USB 3.0, SD	1x USB 3.0, 2x USB 2.0, SD		3x USB 3.0, mSD
1x Thunderbolt 3, HDMI	Video ports	2x Thunderbolt, 1x HDMI	HDMI	HDMI		2x Thunderbolt 2, 1x HDMI
3x3 WLAN	Wireless LAN	2x2 WLAN	2x2 WLAN	2x2 WLAN		2x2 WLAN
Bluetooth 4.0	Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0		Bluetooth 4.0
N.A.	Mobile Broadband	N.A.				
Kensington lock slot	Physical security	N.A.	lock	lock		N.A.
TPM	Security chips	N.A.	TPM	N.A.		TPM
N.A.	Authentication factors	N.A.	N.A.	N.A.		N.A.
Dell Data Protection | Encryption	Security software	N.A.	N.A.	N.A.		N.A.
Starting at 1.78 kg / 3.9 lbs	Weight	Starting at 2.04 kg / 4.49 lbs	Starting at 5.23 lbs	Staring at 5.07 lbs		Starting at 4.5 lbs
357 x 235 x 11-17 mm	Size (metric)	358.9 x 247 x 18	379 x 251 x 17	358 x 257 x 22		383 x 255 x 21mm
14.06 x 9.27 x 0.45-0.66 in	Size (US)	14.13 x 9.73 x 0.71	15.12 x 10.04 x 0.9 in	14.09 x 10.11 x 0.86 in		15.1 x 10.0 x 0.8
October 2015	Launch date					

Dell XPS 15 unique features:

Smallest 15-inch on the planet with world's first InfinityEdge display on a 15-inch laptop - 5.7mm thin bezels

Stunning UltraSharp 4K Ultra HD display is the only laptop with 100% minimum Adobe RGB color

Lightest performance-class 15-inch laptop, starting at only 3.9lbs with 56Whr** battery, SSD, and non-touch display

Why Dell XPS 15:

The Dell XPS 15 is smaller and lighter than the Apple MacBook Pro, with a higher resolution display.

- InfinityEdge display (59% thinner bezel)
- 5% smaller and 13% lighter
- Higher resolution - 100% minimum Adobe RGB
- Longer battery life
- Touch option
- Faster transfers with Thunderbolt 3

Why Dell XPS 15:

The Dell XPS 13 is smaller and lighter than the HP Envy 15t, with a higher resolution display.

- InfinityEdge display
- Smaller and lighter
- Higher resolution, touch, brighter, 100% minimum Adobe RGB dispay
- Superior graphics
- Longer battery life
- Superior wireless (3x3)
- Faster transfers with Thunderbolt 3

Why Dell XPS 15:

The Dell XPS 13 is smaller and lighter than the Lenovo U530, with a higher resolution display.

- InfinityEdge display
- Smaller and lighter
- Higher resolution, touch, brighter, 100% minimum Adobe RGB dispay
- Superior graphics
- Longer battery life
- Superior wireless (3x3)
- Faster transfers with Thunderbolt 3

Why Dell XPS 15:

The Dell XPS 15 is smaller and lighter than the Asus ZenBook.

- InfinityEdge display
- Smaller and lighter
- Brighter, 100% minimum Adobe RGB dispay
- Longer battery life
- Superior wireless (3x3)
- Faster transfers with Thunderbolt 3

Dell - Internal Use - Confidential

NEW XPS 15 (9550)

Pushing innovation to the edge.

The world's smallest 15" laptop with a virtually borderless InfinityEdge display - all in our most powerful XPS laptop.

Samsung ATIV Book9

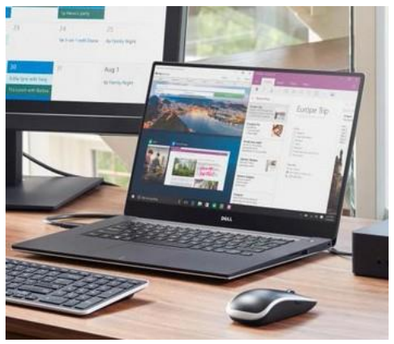
6th generation Intel® Core™ i3, i5 or i7		Processor		Intel® Core™ i5 or i7 U							
Microsoft® Windows 10		Operating System		Windows 10							
Intel HD 530 or NVIDIA GTX 960M 2GB GDDR5		Graphics		HD Graphics 4400							
Up to 16GB 2133MHz memory		Memory		Up to 8GB DDR3L							
15.6" FHD or 4K Ultra HD InfinityEdge display		Display		15.6" FHD (1920 x 1080)							
Touch with UltraSharp 4K Ultra HD display		Touch option		Touch							
Up to 1TB + 32GB Flash		Hard drive option		N.A.							
Up to 1TB PCIe SSD		SSD option		Up to 256GB SSD							
None		Optical drive		None							
Backlit		Keyboard		Backlit							
Up to 17 hours battery life		Battery life		Up to 8.8 hours battery life							
2x USB 3.0, SD		Input / output		2x USB 3.0, 1x USB 2.0, SD							
1x Thunderbolt 3, HDMI		Video ports		HDMI							
3x3 WLAN		Wireless LAN		2x2 WLAN							
Bluetooth 4.0		Wireless connectivity		Bluetooth 4.0							
N.A.		Mobile Broadband									
Kensington lock slot		Physical security		lock							
TPM		Security chips		N.A.							
N.A.		Authentication factors		N.A.							
Dell Data Protection | Encryption		Security software		N.A.							
Starting at 1.78 kg / 3.9 lbs		Weight		Starting at 4.41 lbs							
357 x 235 x 11-17 mm		Size (metric)		374 x 250 x 16mm							
14.06 x 9.27 x 0.45-0.66 in		Size (US)		14.74 x 9.84 x 0.63 in							
October 2015		Launch date									

Dell XPS 15 unique features:

Smallest 15-inch on the planet with world's first InfinityEdge display on a 15-inch laptop - 5.7mm thin bezels

Stunning UltraSharp 4K Ultra HD display is the only laptop with 100% minimum Adobe RGB color

Lightest performance-class 15-inch laptop, starting at only 3.9lbs with 56Whr** battery, SSD, and non-touch display



Why Dell XPS 15:

The Dell XPS 13 is smaller and lighter than the Lenovo U530, with a higher resolution display.

- InfinityEdge display
- Smaller and lighter
- Higher resolution, touch, brighter, 100% minimum Adobe RGB dispay
- Superior graphics
- Longer battery life
- Superior wireless (3x3)
- Faster transfers with Thunderbolt 3

NEW XPS 12 (9250)

Designed for brilliance.

Move seamlessly from laptop to tablet with an innovative design, perfecting the 2-in-1 experience.

	Microsoft Surface Pro 4	Microsoft Surface Book	Apple IPad Pro	HP Spectre x2
Processor	6th generation Intel® Core m5	6th generation Intel® Core m3, i5, i7	6th generation Intel® Core i5, i7	A9X with M9 motion coprocessor	Intel 6th Gen Core m7
Operating System	Microsoft® Windows 10	Microsoft® Windows 10	Microsoft® Windows 10	iOS9	Microsoft® Windows 10
Graphics	Intel HD Graphics 515	Intel HD 515 (m5), 520 (i5) or Iris (i7)	Intel HD 520 + NVIDIA GeForce (opt in keyboard)		Intel HD 515
Memory	Up to 8GB LPDDR3 memory	Up to 16GB	Up to 16GB		Up to 8GB
Display	12.5" FHD or 4K UHD display (3840x2160)	12.3" PixelSense™ 2763x1824	13.5" PixelSense™ 3000x2000	12.9" Retina 2732x2048	12.0" WUXGA+ 1920x1280
Touch option	Touch with UltraSharp 4K UHD display	Yes	Yes	Yes	Yes
Hard drive option	N.A.	N.A.	N.A.	N.A.	N.A.
SSD option	Up to 256GB SSD	Up to 1TB SSD	Up to 1TB SSD	32GB or 128GB	Up to 256GB
Optical drive	None	None	None	None	None
Keyboard	Mg-Alloy Detachable backlit keyboard with 1.9mm key travel	Detachable Keyboard Case with 1mm key travel	Detachable Keyboard with 1.6mm key travel, battery, and NVIDIA GPU option	Backlit keyboard cover	Aluminum Detachable Backlit Keyboard with 1.5mm key travel
Battery life	Up to 8 hours battery life	Up to 9 hours battery life	Up to 12 hours battery life (3 hrs head only)	Up to 10 hours battery life	Up to 10 hours battery life
Input / output	2x Thunderbolt 3	1x USB 3.0	2x USB 3.0		2xUSB 3.0 (type-C)
Video ports	2x Thunderbolt 3				2xUSB 3.0 (type-C)
Wireless LAN	2x2 WLAN	2x2 WLAN	2x2 WLAN	2x2 WLAN	2x2 WLAN
Wireless connectivity	Bluetooth 4.1	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.2	Bluetooth 4.2
Mobile Broadband	N.A.	N.A.		LTE available	
Physical security	Noble lock slot	N.A.			
Security chips	TPM	TPM	TPM		
Authentication factors	N.A.				
Security software	Dell Data Protection | Encryption				
Weight (head only)	Starting at 0.79kg / 1.75 lbs	0.77 kg / 1.69 lbs	0.73 kg / 1.6 lbs	0.71 kg / 1.57 lbs	0.84kg / 1.84 lbs
Weight (head + keyboard)	Starting at 1.27kg / 2.8 lbs		1.51 kg / 3.34 lbs		1.22kg / 2.68 lbs
Size (metric) head	291 x 193 x 8 mm	201 x 292 x 8.5 mm	220 x 312 x 7.7 mm	221 x 306 x 6.9 mm	209 x 300 x 8 mm
Size (US standard) head	7.8 x 11.46 x 0.31 in	7.93 x 11.5 x 0.33	8.67 x 12.3 x 0.3 in	8.68 x 12 x 0.27 in	8.23 x 11.81 0.31 in
Size (metric) head + keyboard	291 x 198 x 16-25 mm		232 x 312 x 13-22.8 mm		209 x 300 x 13 mm
Size (US standard) head + keyboard	7.8 x 11.46 x 0.63-0.99 in		9.14 x 12.3 x 0.51-0.9		8.23 x 11.81 x 0.52 in
Launch date	November 2015	October 2015	October 2015	November 2015	

Dell XPS 12 unique features:

Highest resolution in a 2-in-1 with 4K Ultra HD display + 100% typical Adobe RGB color gamut

Thunderbolt 3 connectivity- 8x faster than USB 3.0; 2x faster than Thunderbolt 2. Allows one cable docking

Standard grade keyboard

Full manageability

Why Dell XPS 12:

The Dell XPS 12 has a higher resolution panel with a standard laptop keyboard.

- Only 4K display in it's class + 100% typical Adobe color gamut
- Key travel is almost 2x that of the Surface
- Tablet is 10% smaller than Surface
- Thunderbolt 3 ports offer faster data transfer

Why Dell XPS 12:

The Dell XPS 12 has a higher resolution panel with a standard laptop keyboard. Smaller and lighter.

- Only 4K display in it's class + 100% typical Adobe color gamut
- Greater key travel
- Tablet is 15% smaller & 1/2 lb lighter
- Thunderbolt 3 ports offer faster data transfer

Why Dell XPS 12:

The Dell XPS 12 has a higher resolution panel, standard laptop keyboard and more storage.

- Only 4K display in it's class + 100% typical Adobe color gamut
- Greater key travel
- Full OS vs. tablet OS
- Larger storage options
- Tablet is 17% smaller
- Thunderbolt 3 ports for connectivity options

Why Dell XPS 12:

The Dell XPS 12 has a higher resolution panel, standard laptop keyboard.

- Only 4K display in it's class + 100% typical Adobe color gamut
- Greater key travel
- Tablet is 10% smaller with larger display
- Thunderbolt 3 ports offer faster data transfer

Dell - Internal Use - Confidential

NEW XPS 12 (9250)

Designed for brilliance.

Move seamlessly from laptop to tablet with an innovative design, perfecting the 2-in-1 experience.

6th generation Intel® Core m5		Processor		6th generation Intel® Core i5, i7		5th generation Intel® Core m
Microsoft® Windows 10		Operating System		Microsoft® Windows 10		Microsoft® Windows 8.1
Intel HD Graphics 515		Graphics		Intel HD 520		Intel HD
Up to 8GB LPDDR3 memory		Memory		Up to 8GB		Up to 4GB
12.5" FHD or 4K UHD display (3840x2160)		Display		13.3" FHD or QHD		12.5" FHD (1920x1080)
Touch with UltraSharp 4K UHD display		Touch option		Yes		Yes
N.A.		Hard drive option		N.A.		N.A.
Up to 256GB SSD		SSD option		Up to 512GB SSD		Up to128GB SSD
None		Optical drive		None		None
Mg-Alloy Detachable backlit keyboard with 1.9mm key travel		Keyboard		Backlit Keyboard with 1.3mm key travel		Detachable dock keyboard with 1.3mm key travel
Up to 8 hours battery life		Battery life		Up to 12.5 hours battery life		Up to 8 hours battery life
2x Thunderbolt 3		Input / output		3x USB 3.0		1x micro USB 3.0
2x Thunderbolt 3		Video ports		HDMI, mDP		1x micro HDMI
2x2 WLAN		Wireless LAN		2x2 WLAN		2x2 WLAN
Bluetooth 4.1		Wireless connectivity		Bluetooth 4.0		Bluetooth 4.0
N.A.		Mobile Broadband		N.A.		
Noble lock slot		Physical security		N.A.		
TPM		Security chips				
N.A.		Authentication factors				
Dell Data Protection | Encryption		Security software				
Starting at 0.79kg / 1.75 lbs		Weight (head only)				0.72 kg / 1.6 lbs
Starting at 1.27kg / 2.8 lbs		Weight (head + keyboard)		1.48 kg / 3.26 lbs		1.44 kg / 3.19 lbs
291 x 193 x 8 mm		Size (metric) head				192 x 318 x 7.6 mm
7.8 x 11.46 x 0.31 in		Size (US standard) head				7.54 x 12.51 x 0.29 in
291 x 198 x 16-25 mm		Size (metric) head + keyboard		218 x 325 x 15.9 mm		192 x 318 x 16.5 mm
7.8 x 11.46 x 0.63-0.99 in		Size (US standard) head + keyboard		8.6 x 12.79 x 0.63 in		7.54 x 12.51 x 0.64 in
November 2015		Launch date				

Dell XPS 12 unique features:

Highest resolution in a 2-in-1 with 4K Ultra HD display + 100% typical Adobe RGB color gamut

Thunderbolt 3 connectivity- 8x faster than USB 3.0; 2x faster than Thunderbolt 2. Allows one cable docking

Standard grade keyboard

Full manageability

Why Dell XPS 12:

The Dell XPS 12 has a higher resolution panel that the Surface Pro 4 with a standard laptop keyboard.

- Only 4K display in it's class + 100% typical Adobe color gamut
- Keyboard is detachable and travel is greater
- 12% smaller and 14% lighter
- Thunderbolt 3 ports offer faster data transfer

Why Dell XPS 12:

The Dell XPS 12 has a higher resolution panel and more performance

- Only 4K display in it's class + 100% typical Adobe color gamut
- World facing camera
- Higher performance
- Superior materials

Dell - Internal Use - Confidential

OptiPlex 24 7000 Series All-in-One (7440)

The Dell OptiPlex 24 7000 Series All-in-One (7440) delivers exceptional performance in a sleek, clutter-free design, featuring a 23.8” IPS Wide Viewing Angle WLED display or optional 4K UltraHD display. Multiple ergonomic stand options will fit easily into any work environment, making it perfect for kiosks, reception areas, labs or call centers, where a streamlined touch-enabled system is ideal.

Lenovo M900z All-in-One		HP EliteOne 800 G2 AI-in-One		HP EliteOne 705 G2 AI-in-One
Intel® Q170	**Chipset**	Intel® Q170	Intel® Q170	AMD Pro A-Series
23.8" Full HD IPS	**Display**	23.8” Full HD	23” Full HD IPS	23” Full HD IPS WLED
23.8" Ultra HD IPS WLED	**Upsell Display**	TBA	TBA	TBA
Optional	**Touch Display**	Optional	Optional	Optional
6th generation Intel® Core™ i3, i5, i7	**Processor**	6th generation Intel® Core™ up to i7	6th generation Intel® Pentium, Core™ i3, i5, i7	AMD PRO A4, A6, A8, A10
Microsoft® Windows 7, 8.1, 10, Neokylin, Ubuntu	**Operating System**	Microsoft® Windows 7, 10, DOS	Microsoft® Windows 7, 8.1, 10, Neokylin, Linux, FreeDOS	Microsoft® Windows 7, 8.1, 10, FreeDOS
Intel HD, AMD Card	**Graphics**	Intel HD	Intel HD, AMD Card	AMD HD
Up to 16 GB DDR4 memory (2 DIMM)	**Memory**	Up to 32 GB DDR4	Up to 32 GB DDR4 (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)
Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 500GB SED	**Hard drive option**	Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 500GB SED	Up to 1TB SATA 7200 rpm	Up to 1TB SATA 7200 rpm
Up to 512GB SSD, 256GB SED SSD / Up to 1TB, 500GB SED SSHD	**SSD / Hybrid option**	Up to 512GB SSD 256GB SED SSD / Up to 1TB, 500GB SED SSHD	Up to 512GB SSD, 256GB SED SSD, Up to 1TB SSHD	Up to 512GB SSD, 256GB SED SSD, Up to 1TB SSHD
Up to 512GB	**M.2 PCIe SSD option**	TBD	256GB	Up to 256GB
Optional	**Raid**	TBD	Optional	Optional
Optional	**Optical drive**	Optional	Optional, BluRay	Optional, BluRay
1x HDMI in, 1x HDMI Out, 1x Display Port Out	**Video ports**	1x Display Port In and Out Combo	1x Display Port Out	1x Display Port Out, VGA Out
Internal, Bronze, Platinum	**Power Supply**	TBD	TBD, APFC, Gold, Platinum	External
4x USB 3.0, 4x USB 2.0, SD, RJ-45, UAJ	**Input / output**	6x USB 3.0, RJ-45, Serial	1xUSB Type C, 6x USB 3.0, Rj-45, Optional Serial/Parallel	4x USB 3.0, 2x USB 2.0, Optional Serial/2nd Serial/Parallel
2x M.2	**Expansion**	TBD	2x M.2	2x M.2
2 MP	**Webcam**	TBD	2 MP	2 MP
Intel 2x2 WLAN	**Wireless LAN**	1x1, 2x2 WLAN	Intel 2x2 WLAN, Broadcom 2x2	Intel 2x2 WLAN, Broadcom 2x2
Bluetooth	**Wireless connectivity**	Bluetooth	Bluetooth	Bluetooth
Chassis Intrusion Switch, Bios Port Disable, Lock slot, Panel Lock, Cable Lock, Plate Lock, Camera Cover, Smart Card Keyboard	**Physical security**	Camera Lock, Cable Lock (KB/MSE), Lock Slot	Integrated Fingerprint Reader, Cable Cover, HP BIOSSphere, BIOS Passwords	Smart Card Reader, Lock Slot
TPM 1.2/2.0, optional Crypto Accelerator	**Security chips**		TPM 1.2/2.0	TPM 1.2/2.0
Dell Command Suite, vPro, ISM	**Management**	vPro, ISM	vPro, ISM	HP SW
Yes	**Toolless Panel Access**		Yes	TBA
57.5 x 6.3 x 39.3	**Dimensions (W x D x H) Without Stand, metric (cm)**	TBD	TBD	56.71 x 5.86 x 39.27
22.6 x 2.5 x 15.5	**Dimensions (W x D x H) Without Stand, US (in)**	TBD	TBD	22.33 x 15.7 x 2.3
Standard, Height Adjustable, Articulating, VESA, Arm	**Stands**	Frame, Basic, Transformer	Vesa, Arm	Easel, Height Adjustable, Recline, Vesa, Arm
October 2015	**Launch Date**	Q4 2015	TBA	TBA

OptiPlex 9030 All-in-One

Save space. Boost performance.

Streamline your organization with the space-saving OptiPlex 9030 All-in-One desktop with best-in-class security and manageability features.

Dell OptiPlex 9030 All-in-One is Dell's thinnest all-in-one in the market today, and offers a standout stylish and stream-lined design ideal for highly visible work-spaces.

Lenovo ThinkCenter M93z All-in-One		HP EliteOne 800 G1 All-in-One	HP EliteOne 705 G1 All-in-One
Intel® Q87	**Chipset**	Intel® Q87	Intel® Q87	AMD D4	
23" Full HD	**Display**	23" Full HD	23" Full HD	23" Full HD	
4th generation Intel® Core™ i3, i5, i7	**Processor**	4th generation Intel® Core™ i3, i5, i7	4th generation Intel® Core™ i5, i7	Up to AMD A10 Pro	
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating System**	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1, Linux	Microsoft® Windows 7 & 8.1, Linux	
Intel HD, AMD	**Graphics**	Intel HD, AMD	Intel HD, AMD	AMD HD, AMD	
Up to 16 GB DDR3 memory (2 DIMM)	**Memory**	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	
Optional	**Touch option**	Optional	Optional	No	
Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 500GB SED	**Hard drive option**	Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 320GB SED	Up to 1TB SATA 7200 rpm HDD, 500GB SED	Up to 500GB SATA 7200 rpm HDD, 500GB SED	
Up to 256GB SSD / Up to 500GB, 500GB SED SSHD	**SSD / Hybrid option**	Up to 180GB SSD / Up to 1TB SSHD	Up to 160GB SSD, 256GB SED SSD / Up to 1TB SSHD	Up to 256GB SSD, 256GB SED SSD / Up to 1TB SSHD	
Optional	**Raid**	Optional	Optional	Optional	
Optional	**Optical drive**	Optional	Optional	Optional	
1x HDMI in, 1x HDMI Out, 1x Display Port	**Video ports**	1x Display Port Out, 1x VGA In	1x Display Port Out	1x Display Port Out	
Internal	**Power Supply**	Internal	Internal	Internal	
4x USB 3.0, 4x USB 2.0, SD, RJ-45	**Input / output**	6x USB 3.0, SD, RJ-45, PS/2	6x USB 3.0, SD, RJ-45, Serial, PS/2	4x USB 3.0, 2x USB 2.0, SD, RJ-45, Serial, PS/2	
1x M.2	**Expansion**	2x Mini Pcie	1x Mini PCIe, 1x mSATA, 1x MXM	1 HH Mini PCIe, 1 x M.2 PCIe	
2 MP	**Webcam**	2 MP	2 MP	2 MP	
Intel 2x2 WLAN	**Wireless LAN**	Intel 2x2 WLAN	Intel 2x2 WLAN	Broadcom 2x2 WLAN	
Bluetooth	**Wireless connectivity**	Bluetooth	Bluetooth	Bluetooth	
Chassis Intrusion Switch, BIOS Port Dis-able, Lock slot, Panel Lock, Cable Lock, Plate Lock, Camera Cover	**Physical security**	Chassis Intrusion Switch, Bios Port Dis-able, Lock slot, Cable Lock, Camera Cover	Chassis Intrusion Switch, Bios Port Dis-able, Lock slot, Panel Lock, Cable Lock, Plate Lock, Camera Cover		
TPM, optional Crypto Accelerator	**Security chips**	TPM	TPM	TPM	
Dell Command Suite, vPro, ISM	**Management**	vPro, ISM	vPro, ISM	AMD DASH	
56.7 x 6 x 38.1	**Dimensions (WxDxH) no Stand - Metric**	56.8 x 6.7 x 40.1	55.9 x 5.03 x 38.8	55.9 x 15.2 x 43.7	
22.34 x 2.36 x 14.99	**Dimensions (WxDxH) no Stand - US**	22.36 x 2.63 x 15.78	22 x 1.98 x 15.3	22 x 6 x 17.2	
Height Adjustable, VESA	**Stands**	Height Adjustable, Recline, VESA	Height Adjustable, Recline, VESA	Height Adjustable, Recline, VESA	
July 2014	**Launch Date**	June 2013	June 2013	September 2014	

Dell OptiPlex 9030 All-in-One unique features:

Dell Data Protection|Encryption, Dell Unique Vpro Extensions

Why Dell OptiPlex 9030 All-in-One :

Dell Data Protection|Encryption

With more USB Ports and Video Connec-tions, the 9030 AIO gives customers in-creased flexibility and display possibilities.

Why Dell OptiPlex 9030 All-in-One :

Dell Data Protection|Encryption

Not only does the 9030 AIO have more in-put/output connections, but it also allows double the storage capacity.

Why Dell OptiPlex 9030 All-in-One :

Dell Data Protection|Encryption

OptiPlex 3030 All-in-One

Streamlined manageability.

Available with Windows 8.1
Free your workspace from clutter with the OptiPlex 3030 All-in-One desktop featuring an optional touch screen for easy navigation without a mouse.

Essential features and reliable tools make this all-in-one a versatile fit for your office environment. The OptiPlex 3030 All-in- one provides the perfect solution for information kiosks, check-in services, digital signage and collaboration tools.

	Lenovo ThinkCenter M73z All-in-One	HP EliteOne 400 G1 All-in-One
Chipset		
Display	20" HD+	19.5" HD+/21" Full HD
Processor	4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	4th generation Intel® Core™ i3, i5, i7
Operating System	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1, Linux
Graphics	Intel HD	Intel HD
Memory	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)
Touch option	Optional	Optional 21"
Hard drive option	Up to 1TB SATA 7200 rpm	Up to 1TB SATA 7200 rpm HDD, 500GB SED
SSD / Hybrid option	Up to 128GB SSD / Up to 1TB SSHD	Up to 256GB SED SSD / Up to 1TB SSHD
Raid	No Raid	No Raid
Optical drive	Optional	Optional
Video ports	1x VGA In	1x Display Port Out
Power Supply	Internal	External
Input / output	4x USB 3.0, 2x USB 2.0, SD, RJ-45, PS/2, Serial	1x USB 3.0, 6x USB 2.0, SD, RJ-45, Serial
Webcam	1 MP, 2 MP	2 MP
Wireless LAN	Intel 2x2 WLAN	Intel 2x2 WLAN
Wireless connectivity		Bluetooth 4.0
Physical security	Chassis Intrusion Switch, Bios Port Disable, Lock slot, Cable Lock, Camera Cover	Bios Port Disable, Lock slot, Cable Lock, Camera Cover
Security chips	TPM	TPM
Management	vPro, ISM	vPro, ISM
Dimensions (WxDxH) no Stand - Metric	56.8 x 6.7 x 40.1	55.9 x 5.0 x 38.9
Dimensions (WxDxH) no Stand - US	22.36 x 2.63 x 15.78	22 x 1.98 x 15.3
Stands	Standard, Height Adjustable, VESA	Standard, VESA
Launch Date	June 2013	June 2013

Dell OptiPlex 9030 All-in-One unique features:

Made with Closed Loop Recycle Plastic Materials

Why Dell OptiPlex 9030 All-in-One :

Discrete Graphics

Why Dell OptiPlex 9030 All-in-One :

Discrete Graphics and Internal PSU

NEW OptiPlex 22 3000 Series All-in-One (3240)

The Dell OptiPlex 22 3000 Series All-in-One (3240) delivers the performance, security and manageability growing businesses need at an affordable price. Featuring a 21.5” IPS Wide Viewing Angle WLED display, the clutter-free design and ergonomic stand options will fit easily into any work environment, making it perfect for kiosks, reception areas, labs or call centers, where a streamlined touch-enabled system is ideal.

HP ProOne 400 G2 All-in-One

Intel® H110		**Chipset**		Intel® H110							
21.5" Full HD		**Display**		20"							
6th generation Intel® Celeron, Pentium, Core™ i3, i5		**Processor**		6th generation Intel®							
Microsoft® Windows 10, 7 & 8.1, Ubuntu		**Operating System**		Microsoft® Windows 7, 10, DOS							
Intel HD, AMD		**Graphics**		Intel HD							
Up to 16 GB DDR3 memory (2 DIMM)		**Memory**		Up to 16 GB							
Optional		**Touch option**		Optional							
Up to 1TB SATA 7200 rpm HDD, 500GB SED		**Hard drive option**		TBA							
Up to 256GB SSD / Up to 500GB SSHD		**SSD / Hybrid option**		TBA							
No Raid		**Raid**		No Raid							
Optional		**Optical drive**		Optional							
1x HDMI Out, 1x Display Port Out		**Video ports**		TBA							
Internal		**Power Supply**		TBA							
4x USB 3.0, 2x USB 2.0, SD, RJ-45		**Input / output**		TBA							
1MP		**Webcam**		1 MP							
Intel 2x2 WLAN		**Wireless LAN**		Intel 2x2 WLAN							
Bluetooth		**Wireless connectivity**		TBA							
Bios Port Disable, Lock slot, Cable Lock, Plate Lock, Camera Cover		**Physical security**		Cable Cover							
TPM		**Security chips**		TBA							
Dell Command Suite, vPro, ISM		**Management**		TBA							
52.8 x 6.1 x 36.3		**Dimensions (W x D x H) Without Stand, metric**		TBA							
20.78 x 2.4 x 14.29		**Dimensions (W x D x H) Without Stand, US**		TBA							
Standard, Height Adjustable, Articulating, VESA		**Stands**		Articulating Frame							
December 2015		**Launch date**		Oct-15							

NEW OptiPlex 7040 Mini Tower

Now smaller, faster and more efficient, the OptiPlex 7040 offers all the power and performance of larger form factors with greater energy and space savings. Multitask smoothly with the latest DDR4 memory technology coupled with new PCIe solid-state drives. Despite its small size, the OptiPlex 7040 supports up to three monitors with DisplayPort and HDMI digital connectivity giving you greater flexibility across multiple applications.

Lenovo ThinkCentre M900 Tower		HP EliteDesk 705 G2 Micro Tower	HP EliteDesk 800 G2 Tower
Intel® Q170	**Chipset**	AMD A78	Intel® Q170
6th generation Intel® Core™ i3, i5, i7	**Processor**	6th Generation Intel Core Processor 65W	6th Generation AMD Pro A-Series; AMD A-Series	6th generation Intel® Core™ PDC, i3, i5, i7
Microsoft® Windows 7, 8.1, 10 & Ubuntu	**Operating System**	•Up to Window 10	Microsoft® Windows 7, 8.1, 10, Ubuntu, Free DOS	Microsoft® Windows 7, 8.1, 10, Ubuntu, Free DOS
Intel integrated HD, nVIDIA GeForce GTX 745 (4GB), AMD Radeon™ R7 350X (4GB), AMD Radeon™ R5 340X (2GB)	**Graphics**	Intel Integrated	Integrated AMD Radeon, AMD R9 350 (2GB), Nvidia GeForce GT730 (2GB)	Integrated Intel HD, AMD R9 350 (2GB), Nvidia GeForce GTX960 (2GB), Nvidia GeForce GT730 (2GB)
Up to 32 GB DDR4 memory (4 DIMM)	**Memory**	Up to 64GB DDR4 memory (4 DIMM)	Up to 32 GB DDR3L memory (4 DIMM)	Up to 64GB DDR4 memory (4 DIMM)
Up to 2TB SATA 7200 rpm, 500GB SED	**Hard drive option**	PCIe SSD ; 3.5" HDD/SSHD/SSD	Up to 2TB SATA 7200 rpm, 500GB SED	Up to 2TB SATA 7200 rpm
Up to 512GB PCIe SSD, 256GB SSD SED, 1TB SSHD	**SSD / Hybrid option**		Up to 256GB PCIe SSD, 512GB SSD, 256GB SSD SED, 1TB SSHD	Up to 512GB PCIe SSD, 500GB SSD, 256GB SSD SED, 1TB SSHD
Optional	**Raid**		Optional	Optional
Slim DVD/RW, Slim DVD	**Optical drive**		Slim Blu-Ray, Slim DVD/RW, Slim DVD	Slim Blu-Ray, Slim DVD/RW, Slim DVD
2x Display Port, 1x HDMI, optional VGA	**Video ports**	2x Display Port, 1x VGA	2x Display Port, 1x VGA	2x Display Port, 1x VGA
240W PSU Active PFC, 240W 85% Efficient PSU (80 PLUS Bronze), 240W 92% Efficient PSU (80 PLUS Platinum)	**Power Supply**		280W, up to 92% efficient, active PFC	280W, up to 92% efficient, active PFC; 400W, up to 92% efficient, active PFC
6 x USB3.0 + 4 x USB2.0 (1 USB Charging Port), RJ-45, Serial, PS/2, Universal audio jack, line in Optional: Parallel/2nd Serial, 2nd NIC	**Input / output**	•Front IO: 2 x USB3.0, Optional 2 x USB2.0 / Optional Card Reader, Audio x 2. Rear IO: •6 x USB3.0, VGA , DP1.2 + DP1.2, 1 x Serial • 1 x LAN, 3 x Audio, Optional PS2, Optional Parallel	Front: 2 USB 3.0, 2 USB 2.0 (1 fast charge), 1 audio in, 1 audio out. Back: 4 USB 3.0, 2 USB 2.0, 1 serial, 2 PS/2, 1 audio in, 1 audio out, 1 RJ-45. Optional: 2nd serial, pararallel	Front: 2 USB 3.0, 2 USB 2.0 (1 fast charge), 1 audio in, 1 audio out. Back: 6 USB 3.0, 1 serial, 2 PS/2, 1 audio in, 1 audio out, 1 RJ-45. Optional: 2nd serial, pararallel
4 Full Height (1 PCIe x16, 1 PCIe x16 (wired x4), 1 PCIe x1, 1 PCI), M.2	**Expansion**	•PCIe x 16, PCIe x 1, PCIe x 16 (x4 link), M.2 Connector	1 FH PCIe x16 (x4), 1 FH PCIe x 16, 2 FH PCIe x1	1 FH PCIe x16 (x4), 1 FH PCIe x 16, 2 FH PCIe x1; optional 1 PCI
Intel 8260 wireless card 802.11ac, vPro + Bluetooth	**Wireless LAN / Wireless Connectivity**		Optional: Broadcom 8021n w/ BT, Broadcom 8021n, Intel 7265 802.11ac w/ BT, Intel 7265 802.11ac	Optional: Broadcom 802.11n w/ optional BT, Intel 7265 802.11ac w/ optional BT, Intel 7265 802.11n, Intel 8260 802.11ac w/ optional BT
Standard security lock slot, Padlock loop, Intrusion switch, SED hard drive, Cable Covers	**Physical security**			
TPM 1.2 (TPM 2.0 - firmware upgradable)	**Security chips**	•TPM 1.2	TPM 1.2 / 2.0	TPM 1.2 / 2.0
Dell Command Suite, vPro, ISM	**Management**		AMD DASH 1.1	Intel vPro
	Mini tower (metric)			
13.8 x 6.1 x 10.8 - 15L	**Mini tower (US)**	16.0 x 6.9 x 16.3 - 30L	14.0 x 13.4 x 6.7 - 21L	6.7 x 15.3 x 16.7 inch - 28L
	Misc			
	Misc	dust filter		optional Dust Management solution
October 2015	**Launch date**			

NEW OptiPlex 7040 Small Form Factor

Now smaller, faster and more efficient, the OptiPlex 7040 offers all the power and performance of larger form factors with greater energy and space savings. Multitask smoothly with the latest DDR4 memory technology coupled with new PCIe solid-state drives. Despite its small size, the OptiPlex 7040 supports up to three monitors with DisplayPort and HDMI digital connectivity giving you greater flexibility across multiple applications.

	Lenovo ThinkCentre M900 Tower	HP EliteDesk 705 G2 Micro Tower	HP EliteDesk 800 G2 Tower
Chassis	Intel® Q170	AMD A78	
Processor	6th generation Intel® Core™ i3, i5, i7	6th Generation Intel Core Processor 65W	6th Generation AMD Pro A-Series; AMD A-Series	6th Generation Intel® Core™ processors
Operating System	Microsoft® Windows 7, 8.1, 10 & Ubuntu	•Up to Window 10	Microsoft® Windows 7, 8.1, 10, Ubuntu, Free DOS	
Graphics	Intel integrated HD, AMD Radeon™ R7 350X (4GB), AMD Radeon™ R5 340X (2GB)	Intel Integrated	Integrated AMD Radeon, Nvidia GeForce GT730 (2GB)	
Memory	Up to 32 GB DDR4 memory (4 DIMM)	4 DDR4 UDIMM, Maximum 64GB	Up to 32 GB DDR3L memory (4 DIMM)	DDR4 memory
Hard drive option	Up to 2TB SATA 7200 rpm, 500GB SED	2.5" HDD	Up to 2TB SATA 7200 rpm, 500GB SED	
SSD / Hybrid option	Up to 512GB PCIe SSD, 256GB SSD SED, 1TB SSHD		Up to 256GB PCIe SSD, 512GB SSD, 256GB SSD SED, 1TB SSHD	
Raid	Optional		Optional	Optional
Optical drive	Slim DVD/RW, Slim DVD		Slim Blu-Ray, Slim DVD/RW, Slim DVD	
Video ports	2x Display Port, 1x HDMI, optional VGA	2x Display Port, 1x VGA	2x Display Port, 1x VGA	
Power Supply	180W PSU Active PFC, 180W 85% Efficient PSU (80 PLUS Bronze), 180W 92% Efficient PSU (80 PLUS Platinum)		200W, up to 92% efficient, active PFC	
Input / output	6 x USB3.0 + 4 x USB2.0 (1 USB Charging Port), RJ-45, Serial, PS/2, Universal audio jack, line in Optional: Parallel, Serial, 2nd NIC	•Front IO: 2 x USB3.0, Optional 2 x USB2.0 / Optional Card Reader, Audio x 2. Rear IO: •6 x USB3.0, VGA , DP1.2 + DP1.2, 1 x Serial • 1 x LAN, 3 x Audio, Optional PS2, Optional Parallel	Front: 2 USB 3.0, 2 USB 2.0 (1 fast charge), 1 audio in, 1 audio out. Back: 4 USB 3.0, 2 USB 2.0, 1 serial, 2 PS/2, 1 audio in, 1 audio out, 1 RJ-45. Optional: 2nd serial, pararallel	
Expansion	2 Low Profile (2xPCIe), M.2	•PCIe x 16, PCIe x 1, PCIe x 16 (x4 link), M.2 Connector	1 LP PCIe x16 (x4), 1 LP PCIe x 16, 2 LP PCIe x1	
Wireless LAN / Wireless Connectivity	Intel 8260 wireless card 802.11ac, vPro + Bluetooth		Optional: Broadcom 8021n w/ BT, Broadcom 8021n, Intel 7265 802.11ac w/ BT, Intel 7265 802.11ac	
Physical security	Standard security lock slot, Padlock loop, Intrusion switch, SED hard drive, Cable Covers			
Security chips	TPM 1.2 (TPM 2.0 - firmware upgradable)	•TPM 1.2	TPM 1.2 / 2.0	TPM 1.2 / 2.0
Management	Dell Command Suite, vPro, ISM		AMD DASH 1.1	
Small form (metric)	29 x 9.26 x 29.2			
Small form (US)	11.4 x 3.7 x 11.5	13.3 x 3.5 x 14.1 - 9.7L	13.3 x 14.9 x 3.95	
Misc				
Misc		dust filter		optional Dust Management solution
Launch date	October 2015			

NEW OptiPlex 7040 Micro Form Factor

Now smaller, faster and more efficient, the OptiPlex 7040 offers all the power and performance of larger form factors with greater energy and space savings. Multitask smoothly with the latest DDR4 memory technology coupled with new PCIe solid-state drives. Despite its small size, the OptiPlex 7040 supports up to three monitors with DisplayPort and HDMI digital connectivity giving you greater flexibility across multiple applications.

Lenovo ThinkCentre M900/M700 Tiny		HP EliteDesk 705 G2 Mini	HP EliteDesk 800 G2 Mini

Intel® Q170		**Chipset**			AMD A78		Intel® Q170	
6th generation Intel® Core™ i3, i5, i7		**Processor**		6th generation Intel® 35W ***TBD***	6th Generation AMD Pro A-Series		6th Generation Intel® Core™ processors - PDC, i3, i5, i7 ; optional 65w CPU	
Microsoft® Windows 7, 8.1, 10 & Ubuntu		**Operating System**		•Up to Window 10	Microsoft® Windows 7, 8.1, 10, Ubuntu, Free DOS		Microsoft® Windows 7, 8.1, 10, Ubuntu, Free DOS	
Intel HD		**Graphics**		Intel HD	Integrated AMD Radeon		Intel HD	
Up to 16GB DDR4 memory (2 DIMM)		**Memory**		up to 32GB DDR4 memory (2 DIMM)	Up to 16GB DDR3 memory (2 DIMM)		up to 32GB DDR4 memory (2 DIMM)	
Up to 2TB SATA 5400 rpm, 500GB SED		**Hard drive option**		2 .5" HDD/SSHD/SSD	up to 500GB HDD		Up to 2TB SATA 5400 rpm	
Up to 512GB PCIe SSD, 256GB SSD SED, 1TB SSHD		**SSD / Hybrid option**			Up to 256GB PCIe SSD, 512GB SSD, 256GB SSD SED, 1TB SSHD		Up to 256GB PCIe SSD, 512GB SSD, 256GB SSD SED, 1TB SSHD	
Optional		**Raid**			No Raid		No Raid	
External		**Optical drive**			External		External	
1x Display Port, 1x HDMI, Optional VGA / 2nd DP		**Video ports**		2x Display Port, optional VGA/HDMI/3rd DP	1x Display Port, 1x VGA, Optional HDMI / 2nd DP		1x Display Port, 1x VGA, Optional HDMI / 2nd DP	
External 65 Watts		**Power Supply**			External 65 Watts		External 65 Watts	
6 x USB3.0 (1 USB Charging Port), Optional Serial+PS/2		**Input / output**		Front IO: 2 x USB 3.0 (1 for fast charge), Audio x 2. Rear IO: 4 x USB3.0, 1x LAN, 1 x Audio, optional Serial	Front: 2 USB 3.0, 1 headphone, 1 microphone. Back: 2 USB 3.0, 2 USB 2.0, 1 RJ-45. Optional: serial		Front: 2 USB 3.0, 1 USB Type-C, 1 headphone/microphone combo. Back: 4 USB 3.0, 1 RJ-45. Optional: serial	
2x M.2		**Expansion**			2x M.2		1x M.2	
Intel 8260 wireless card 802.11ac, vPro + Bluetooth		**Wireless LAN / Wireless Connectivity**			No Wireless		Optional: Broadcom 802.11n, Broadcom 802.11n w/ BT, Intel 8260 802.11ac	
Standard security lock slot, Padlock loop, Intrusion switch, SED hard drive, Console Mount, All in One Mount		**Physical security**			Support for padlocks and cable devices		Support for padlocks and cable devices	
TPM 1.2 (TPM 2.0 - firmware upgradable)		**Security chips**		TPM 1.2	TPM 1.2 / 2.0		TPM 1.2 / 2.0	
Dell Command Suite, vPro, ISM		**Management**			Nothing called out		Nothing called out	
18.2 x 3.6 x 17.6		**Micro form factor (metric)**		17.9 x 3.45 x 18.2				
7.17 x 1.4 x 6.93		**Micro form factor (US)**		7.05 x 1. 36 x 7.17	7 x 6.9 x 1.3		7 x 6.9 x 1.3	
Vertical Stand, VESA Mount, Dual VESA Mount, All in One Mount, Console with DVD-RW, All in One Mount for E Series Displays		**Mounts**			HP PC Mounting Bracket to attach the Mini directly behind the new HP EliteDisplays; HP Desktop Mini LockBox, a secure enclosure to protect the PC, power brick and cable connections		HP PC Mounting Bracket to attach the Mini directly behind the new HP EliteDisplays; HP Desktop Mini LockBox, a secure enclosure to protect the PC, power brick and cable connections	
Passed all MIL-SPEC testing with SSD		**Misc**		Mil-Spec tested M900/700	MIL-SPEC 810G testing		Intel Unite Skype for Business Plugin5, the new HP Collaboration PC G2 with Intel® Unite™ Software offers quick and intuitive Skype meeting starts with audio conferencing and document sharing; MIL-SPEC 810G testing	
		Software Security			HP Sure Start with Dynamic Protection, which goes beyond checking the BIOS when there is a state change, but also throughout the day at regular intervals for additional protection12		HP Sure Start with Dynamic Protection, which goes beyond checking the BIOS when there is a state change, but also throughout the day at regular intervals for additional protection12	
October 2015		**Launch date**						

OptiPlex 9020 Mini Tower

Premium Performance Computing

Offers essential computing power, productivity and collaboration features with basic manageability and best-in-class security.

This powerful Mini Tower has room to grow along with your business.

Lenovo ThinkCentre M93		HP EliteDesk 800 G1

Intel® Q87		**Chipset**		Intel® Q87		Intel® Q87			
4th generation Intel® Core™ i3, i5, i7		**Processor**		4th generation Intel® Celeron, Pentium Core™ i3, i5, i7		4th generation Intel® Core™ i5, i7			
Microsoft® Windows 7 & 8.1, Ubuntu		**Operating System**		Microsoft® Windows 7 & 8.1, Linux		Microsoft® Windows 7 & 8.1			
Intel HD, Nvidia, AMD		**Graphics**		Intel HD, Nvidia		Intel HD, Nvidia, AMD			
Up to 32 GB DDR3 memory (4 DIMM)		**Memory**		Up to 32 GB DDR3 memory (4 DIMM)		Up to 32 GB DDR3 memory (4 DIMM)			
Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 500GB SED		**Hard drive option**		Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 320GB SED		Up to 500GB SATA 7200 rpm HDD, 500GB SED			
Up to 256GB SSD / Up to 500GB, 500GB SED SSHD		**SSD / Hybrid option**		Up to 180GB SSD / Up to 1TB SSHD		Up to 160GB SSD, 256GB SED SSD / Up to 1TB SSHD			
Optional		**Raid**		Optional		Optional			
Optional		**Optical drive**		Optional		Optional			
2x Display Port, 1x VGA		**Video ports**		2x Display Port, 1x VGA		2x Display Port, 1x VGA			
Standard Active PFC, 80 PLUS Bronze, 80 PLUS Gold		**Power Supply**							
4 x USB3.0 + 6 x USB2.0, RJ-45, Serial, PS/2, headphone, microphone, line in. Optional: Parallel, Serial, 2nd NIC		**Input / output**		6x USB 3.0, 2x USB 2.0, SD, RJ-45, PS/2, Optional Serial, Optional Parallel		4x USB 3.0, 6x USB 2.0, SD, RJ-45, Serial, PS/2			
2x PCIe, 1x PCIex1, 1x PCI		**Expansion**		2x PCIe, 1x PCIex1, 1x PCI, Optional Serial		2x PCIe, 2x PCIex1, optional 1x PCI			
Intel wireless card, Bluetooth		**Wireless LAN / Wireless Connectivity**		Intel 2x2 WLAN, Bluetooth		Intel 2x2 WLAN, Wi-Di, Bluetooth			
Chassis lock, Intrusion Switch, BIOS Port Disable, Lock slot		**Physical security**		Chassis lock, Intrusion Switch		Chassis lock, BIOS Port Disable, Lock slot, Drive Lock			
TPM		**Security chips**		TPM		TPM			
Dell Command Suite, vPro, ISM		**Management**		vPro, ISM		vPro, ISM			
36.10 x 17.50 x 41.66		**Mini tower (metric)**							
14.2 x 6.9 x 16.4		**Mini tower (US)**							
2014		**Launch Date**		2014		2014			

Dell OptiPlex 9020 Mini Tower unique features:

Dell Data Protection|Encryption, Dell Unique Vpro Extensions

Why Dell OptiPlex 9020 Mini Tower :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

AMD graphic options available

More USB ports for connectivity

Why Dell OptiPlex 9020 Mini Tower :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Up to 1TB for greater storage

OptiPlex 9020 Small Form Factor

Premium Performance Computing

Offers essential computing power, productivity and collaboration features with basic manageability and best-in-class security.

Power and dependability in a small size spacing issue.

Lenovo ThinkCentre M93		HP EliteDesk 800 G1

Intel® Q87		**Chipset**		Intel® Q87		Intel® Q87			
4th generation Intel® Core™ i3, i5, i7		**Processor**		4th generation Intel® Celeron, Pentium Core™ i3, i5, i7		4th generation Intel® Core™ i5, i7			
Microsoft® Windows 7 & 8.1, Ubuntu		**Operating System**		Microsoft® Windows 7 & 8.1, Linux		Microsoft® Windows 7 & 8.1			
Intel HD, Nvidia, AMD		**Graphics**		Intel HD, Nvidia		Intel HD, Nvidia, AMD			
Up to 32 GB DDR3 memory (4 DIMM)		**Memory**		Up to 32 GB DDR3 memory (4 DIMM)		Up to 32 GB DDR3 memory (4 DIMM)			
Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 500GB SED		**Hard drive option**		Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 320GB SED		Up to 500GB SATA 7200 rpm HDD, 500GB SED			
Up to 256GB SSD / Up to 500GB, 500GB SED SSHD		**SSD / Hybrid option**		Up to 180GB SSD / Up to 1TB SSHD		Up to 160GB SSD, 256GB SED SSD / Up to 1TB SSHD			
Optional		**Raid**		Optional		Optional			
Optional		**Optical drive**		Optional		Optional			
2x Display Port, 1x VGA		**Video ports**		2x Display Port, 1x VGA		2x Display Port, 1x VGA			
Standard Active PFC, 80 PLUS Bronze, 80 PLUS Gold		**Power Supply**							
4x USB 3.0, 6x USB 2.0, SD, RJ-45, Serial, PS/2		**Input / output**		6x USB 3.0, 2x USB 2.0, SD, RJ-45, PS/2, Optional Serial, Optional Parallel		4x USB 3.0, 6x USB 2.0, SD, RJ-45, Serial, PS/2			
2x PCIe		**Expansion**		2x PCIe, 1x PCIex1, 1x PCI, Optional Serial		2x PCIe, 2x PCIex1			
Intel wireless card, Bluetooth		**Wireless LAN / Wireless Connectivity**		Intel 2x2 WLAN, Bluetooth		Intel 2x2 WLAN, Wi-Di, Bluetooth			
Chassis lock, Intrusion Switch, BIOS Port Disable, Lock slot		**Physical security**		Chassis lock, Intrusion Switch		Chassis lock, BIOS Port Disable, Lock slot, Drive Lock			
TPM		**Security chips**		TPM		TPM			
Dell Command Suite, vPro, ISM		**Management**		vPro, ISM		vPro, ISM			
28.97 x 9.40 x 31.24		**Small Form Factor (metric)**							
11.4 x 3.7 x 12.3		**Small Form Factor (US)**							
2014		**Launch Date**		2014		2014			

Dell OptiPlex 9020 Small Form Factor (SFF) unique features:

Dell Data Protection|Encryption, Dell Unique Vpro Extensions

Why Dell OptiPlex 9020 SFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

AMD graphic options available

More USB porrts for connectivity

Why Dell OptiPlex 9020 SFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Up to 1TB for greater storage

OptiPlex 9020 Ultra Small Form Factor

Premium Performance Computing

Offers essential computing power, productivity and collaboration features with basic manageability and best-in-class security.

The Ultra Small Form Factor fits nearly spacing.

Lenovo ThinkCentre M93		HP EliteDesk 800 G1

Intel® Q87		**Chipset**		Intel® Q87		Intel® Q87			
4th generation Intel® Core™ i3, i5, i7		**Processor**		4th generation Intel® Celeron, Pentium Core™ i3, i5, i7		4th generation Intel® Core™ i5, i7			
Microsoft® Windows 7 & 8.1, Ubuntu		**Operating System**		Microsoft® Windows 7 & 8.1, Linux		Microsoft® Windows 7 & 8.1			
Intel HD		**Graphics**		Intel HD, Nvidia		Intel HD, AMD			
Up to 16GB DDR3 memory (2 DIMM)		**Memory**		Up to 32 GB DDR3 memory (4 DIMM)		Up to 32 GB DDR3 memory (4 DIMM)			
Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 500GB SED		**Hard drive option**		Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 320GB SED		Up to 500GB SATA 7200 rpm HDD, 500GB SED			
Up to 256GB SSD / Up to 500GB, 500GB SED SSHD		**SSD / Hybrid option**		Up to 180GB SSD / Up to 1TB SSHD		Up to 160GB SSD, 256GB SED SSD / Up to 1TB SSHD			
Optional		**Raid**		Optional		Optional			
Optional		**Optical drive**		Optional		Optional			
2x Display Port, 1x VGA		**Video ports**		2x Display Port, 1x VGA		2x Display Port, 1x VGA			
Standard Active PFC, 80 PLUS Bronze, 80 PLUS Gold		**Power Supply**							
4x USB 3.0, 2x USB 2.0, SD, RJ-45, Serial, PS/2		**Input / output**		6x USB 3.0, 2x USB 2.0, SD, RJ-45, PS/2, Optional Serial, Optional Parallel		4x USB 3.0, 6x USB 2.0, SD, RJ-45, Serial, PS/2			
1x Mini PCIe		**Expansion**		2x PCIe, 1x PCIex1, 1x PCI, Optional Serial		1 MiniPCIe, 1 mSata			
Intel wireless card, Bluetooth		**Wireless LAN / Wireless Connectivity**		Intel 2x2 WLAN, Bluetooth		Intel 2x2 WLAN, Wi-Di, Bluetooth			
Chassis lock, Intrusion Switch, BIOS Port Disable, Lock slot		**Physical security**		Chassis lock, Intrusion Switch		Chassis lock, BIOS Port Disable, Lock slot, Drive Lock			
TPM		**Security chips**		TPM		TPM			
Dell Command Suite, vPro, ISM		**Management**		vPro, ISM		vPro, ISM			
23.6 x 6.6 x 23.9		**Ultra Small Form Factor (metric)**							
9.3 x 2.6 x 9.4		**Ultra Small Form Factor (US)**							
2014		**Launch Date**		2014		2014			

Dell OptiPlex 9020 Ultra Small Form Factor (USFF) unique features:

Dell Data Protection|Encryption, Dell Unique Vpro Extensions

Why Dell OptiPlex 9020 USFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Why Dell OptiPlex 9020 USFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

OptiPlex 9020 Micro Form Factor

Premium Performance Computing

Offers essential computing power, productivity and collaboration features with basic manageability and best-in-class security.

The smallest OptiPlex fits anywhere you need it with multiple mounting options.

Lenovo ThinkCentre M93 p/M83 Tiny	HP EliteDesk 800 Mini

Intel® Q87		**Chipset**		Intel® Q87		Intel® Q87				
4th generation Intel® Core™ i3, i5, i7		**Processor**		4th generation Intel® Core™ i5, i7 (35watts)		4th generation Intel® Celeron, Pentium, Core™ i3-i7 (35Watts)				
Microsoft® Windows 7 & 8.1, Ubuntu		**Operating System**		Microsoft® Windows 7 & 8.1		Microsoft® Windows 7 & 8.1, Linux				
Intel HD, AMD		**Graphics**		Intel HD		Intel HD, Nvidia, AMD				
Up to 16 GB DDR3 memory (2 DIMM)		**Memory**		Up to 16 GB DDR3 memory (2 DIMM)		Up to 16 GB DDR3 memory (2 DIMM)				
Up to 1TB SATA 7200 rpm, 2TB 5400 rpm HDD, 500GB SED		**Hard drive option**		Up to 1TB		Up to 500GB SATA 7200 rpm HDD				
Up to 256GB SSD / Up to 500GB, 500GB SED SSHD		**SSD / Hybrid option**		Up to 180GB SSD		Up to 256GB SED SSD / Up to 1TB SSHD				
None		**Raid**		None		Optional				
External		**Optical drive**		External		External				
1x Display Port, 1x VGA, optional 2nd DP or HDMI		**Video ports**		1x Display Port, 1x VGA		2x Display Port, 1x VGA				
External 65 Watts		**Power Supply**		External 65 Watts		External 65 Watts				
6x USB 3.0, SD, RJ-45, Optional Serial+PS/2		**Input / output**		5x USB 3.0, SD, RJ-45, Optional PS/2, Display Port, HDMI, Serial, Parallel		6x USB 3.0, SD, RJ-45				
2x M.2		**Expansion**		1x Mini PCIe		2x M.2				
Intel wireless card, Bluetooth		**Wireless LAN / Wireless Connectivity**		Intel 2x2 WLAN, Bluetooth		Intel 2x2 WLAN, Wi-Di, Bluetooth				
Chassis lock, Intrusion Switch, BIOS Port Disable, Lock slot		**Physical security**		Chassis lock, Intrusion Switch		Chassis lock, BIOS Port Disable, Lock slot, Drive Lock				
TPM		**Security chips**		TPM		TPM				
Dell Command Suite, vPro, ISM		**Management**		vPro, ISM		vPro, ISM				
28.97 x 9.40 x 31.24		**Size: Micro (Metric)**								
7.17 x 1.4 x 6.93		**Size: Micro (US)**								
Vertical Stand, VESA Mount, Dual VESA Mount, All in One Mount, Console with DVD-RW, All in One Mount for E Series Displays		**Mounts**								
2014		**Launch Date**		2014		2014				

Dell OptiPlex 9020 Small Form Factor (SFF) unique features:

Dell Data Protection|Encryption, Dell Unique Vpro Extensions

Why Dell OptiPlex 9020 SFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Fully tool - less design

More USB ports

Why Dell OptiPlex 9020 SFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Fully tool - less design

Native HDMI Option

NEW OptiPlex 5040 Mini Tower

The fully-featured OptiPlex 5040 offers all of the performance you need in a new, smaller, faster and more efficient chassis. Multitask smoothly with the latest DDR3 memory technology coupled with new PCIe solid-state drives. Despite its small size, the OptiPlex 5040 supports up to three monitors with DisplayPort and HDMI digital connectivity giving you greater flexibility across multiple applications.

Intel® Q170		**Chipset**									
6th generation Intel® Core™ PDC, i3, i5, i7		**Processor**									
Microsoft® Windows 7, 8.1, 10 & Ubuntu		**Operating System**									
Intel HD, AMD		**Graphics**									
Up to 16GB DDR3 memory (4 DIMM)		**Memory**									
Up to 2TB SATA 7200 rpm, 500GB SED		**Hard drive option**									
Up to 256GB PCIe SSD, 256GB SSD SED, 1TB SSHD		**SSD / Hybrid option**									
None		**Raid**									
Optional		**Optical drive**									
2x Display Port, 1x HDMI, Optional VGA		**Video ports**									
Standard Active PFC, 80 PLUS Bronze, 80 PLUS Platinum		**Power Supply**									
6 x USB3.0 + 4 x USB2.0 (1 USB Charging Port), RJ-45, Serial, PS/2, Universal audio jack, line in Optional: Parallel, Serial		**Input / output**									
4 Full Height (1 PCIe x16, 1 PCIe x16 (wired x4), 1 PCIe x1, 1 PCI), M.2		**Expansion**									
Intel wireless card 802.11ac + Bluetooth		**Wireless LAN / Wireless Connectivity**									
Standard security lock slot, Padlock loop, Intrusion switch, SED hard drive, Cable Covers		**Physical security**									
TPM 1.2		**Security chips**									
Dell Command Suite, vPro, ISM		**Management**									
35 x 15.4 x 27.4		**Mini tower (metric)**									
13.8 x 6.1 x 10.8 - 15L		**Mini tower (US)**									
October 2015		**Launch date**									

NEW OptiPlex 5040 Small Form Factor

The fully-featured OptiPlex 5040 offers all of the performance you need in a new, smaller, faster and more efficient chassis. Multitask smoothly with the latest DDR3 memory technology coupled with new PCIe solid-state drives. Despite its small size, the OptiPlex 5040 supports up to three monitors with DisplayPort and HDMI digital connectivity giving you greater flexibility across multiple applications.

Intel® Q170		**Chipset**									
6th generation Intel® Core™ PDC, i3, i5, i7		**Processor**									
Microsoft® Windows 7, 8.1, 10 & Ubuntu		**Operating System**									
Intel HD, AMD		**Graphics**									
Up to 16GB DDR3 memory (4 DIMM)		**Memory**									
Up to 2TB SATA 7200 rpm, 500GB SED		**Hard drive option**									
Up to 256GB PCIe SSD, 256GB SSD SED, 1TB SSHD		**SSD / Hybrid option**									
None		**Raid**									
Optional		**Optical drive**									
2x Display Port, 1x HDMI, Optional VGA		**Video ports**									
Standard Active PFC, 80 PLUS Bronze, 80 PLUS Platinum		**Power Supply**									
6 x USB3.0 + 4 x USB2.0 (1 USB Charging Port), RJ-45, Serial, PS/2, Universal audio jack, line in Optional: Parallel, Serial		**Input / output**									
2 LP (2xPCIe), M.2		**Expansion**									
Intel wireless card 802.11ac + Bluetooth		**Wireless LAN / Wireless Connectivity**									
Standard security lock slot, Padlock loop, Intrusion switch, SED hard drive, Cable Covers		**Physical security**									
TPM 1.2		**Security chips**									
Dell Command Suite, vPro, ISM		**Management**									
29 x 9.26 x 29.2		**Small Form Factor (metric)**									
11.4 x 3.7 x 11.5		**Small Form Factor (US)**									
October 2015		**Launch date**									

OptiPlex 7020 Mini Tower

Mainstream Computing

Workhorse desktop providing significant performance, advanced manageability, and best-in-class security.

This powerful Mini Tower has room to grow along with your business.

Lenovo ThinkCentre M83		HP EliteDesk 600 G1		HP EliteDesk 700 G1
Intel® Q87	**Chipset**	Intel® Q85	Intel® Q85	Intel® Q87
4th generation Intel® Core™ PDC, i3, i5, i7	**Processor**	4th generation Intel® Core™ PDC, i3, i5, i7	4th generation Intel® Core™ i5, i7	4th generation Intel® Core™ i3, i5
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating System**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu
Intel HD, AMD	**Graphics**	Intel HD, Nvidia	Intel HD, Nvidia, AMD	Intel HD
Up to 16 GB DDR3 memory (4 DIMM)	**Memory**	Up to 16 GB DDR3 memory (4 DIMM)	Up to 32 GB DDR3 memory (4 DIMM)	Up to 32 GB DDR3 memory (4 DIMM)
Up to 1TB SATA 7200 rpm, 320GB SED	**Hard drive option**	Up to 1TB SATA 7200 rpm	Up to 500GB SATA 7200 rpm HDD, 500GB SED	Up to 2TB SATA 7200 rpm HDD, 500GB SED
Up to 128GB SSD / Up to 500GB SSHD	**SSD / Hybrid option**	Up to 128GB SSD / Up to 1TB SSHD	Up to 160GB SSD, 256GB SED SSD / Up to 1TB SSHD	Up to 256GB SSD, 256GB SED SSD / Up to 1TB SSHD
None	**Raid**	None	Optional	Optional
Optional	**Optical drive**	Optional	Optional	Optional
2x Display Port, 1x VGA	**Video ports**	2x Display Port, 1x VGA	2x Display Port, 1x VGA	2x Display Port, 1x VGA
Standard Active PFC, 80 PLUS Bronze, 80 PLUS Gold	**Power Supply**	280 watts, autosensing		280 W standard efficiency, active PFC; 280 W, up to 93% efficient, active PFC
4 x USB3.0 + 6 x USB2.0, RJ-45, Serial, PS/2, headphone, microphone, line in. Optional: Parallel, Serial, 2nd NIC	**Input / output**	4 x USB3.0 + 6 x USB2.0, RJ-45, Serial, headphone, microphone, line in. Optional: Parallel, Serial	4x USB 3.0, 6x USB 2.0, SD, RJ-45, Serial, PS/2	4 USB 3.0; 6 USB 2.0; 1 serial; 2 PS/2; 1 audio in; 1 audio out; 1 RJ-45; 1 headphone; 1 microphone (Optional ports include 1 serial and 1 parallel)
2x PCIe, 1x PCIex1, 1x PCI	**Expansion**		2x PCIe, 2x PCIex1, optional 1x PCI	2x PCIe, 2x PCIex1, optional 1x PCI
Intel wireless card, Bluetooth	**Wireless LAN / Wireless Connectivity**		Intel 2x2 WLAN, Wi-Di, Bluetooth	Intel 2x2 WLAN, Wi-Di, Bluetooth
Standard security lock slot, Padlock loop, Intrusion switch, SED hard drive	**Physical security**	One lock to secure both cover and entire system to fixed object: Padlock loop (in rear for opt padlock). Security slot (in rear for optional Kensington MicroSaver cable). Intrusion Switch		Solenoid hood lock/sensor; Support for chassis padlocks and cable lock devices
TPM	**Security chips**	Security Chip	TPM	TPM
Dell Command Suite, vPro, ISM	**Management**	Intel Standard Manageability	Intel Standard Manageability	Intel Standard Manageability
36.10 x 17.50 x 41.66	**Mini tower (metric)**	42.2 x 16 x 38.8	44.2 x 39.9 x 17	35.5 x 34 x 17
14.2 x 6.9 x 16.4	**Mini tower (US)**	16.6 x 6.3 x 15.3	17.4 x 15.7 x 6.7	14 x 13.4 x 6.7
	Launch Date		2014	

Dell OptiPlex 7020 Mini Tower unique features:

Workhorse desktop providing significant performance, advanced manageability, and best-in-class security

Why Dell OptiPlex 7020 Mini Tower :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

AMD graphic options available

Why Dell OptiPlex 7020 Mini Tower :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Why Dell OptiPlex 7020 Mini Tower :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

OptiPlex 7020 Small Form Factor

Mainstream Computing

Workhorse desktop providing significant performance, advanced manageability, and best-in-class security.

Power and dependability in a small size spacing.

Lenovo ThinkCentre M83		HP EliteDesk 600 G1		HP EliteDesk 700 G1
Intel® Q87	**Chipset**	Intel® Q85	Intel® Q85	Intel® Q87
4th generation Intel® Core™ PDC, i3, i5, i7	**Processor**	4th generation Intel® Core™ PDC, i3, i5, i7	4th generation Intel® Core™ i5, i7	4th generation Intel® Core™ i3, i5
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating System**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1	Microsoft® Windows 7 & 8.1, Ubuntu
Intel HD, AMD	**Graphics**	Intel HD, Nvidia	Intel HD, Nvidia, AMD	Intel HD
Up to 16 GB DDR3 memory (4 DIMM)	**Memory**	Up to 16 GB DDR3 memory (4 DIMM)	Up to 32 GB DDR3 memory (4 DIMM)	Up to 32 GB DDR3 memory (4 DIMM)
Up to 1TB SATA 7200 rpm, 320GB SED	**Hard drive option**	Up to 1TB SATA 7200 rpm	Up to 500GB SATA 7200 rpm HDD, 500GB SED	Up to 2TB SATA 7200 rpm HDD, 500GB SED
Up to 128GB SSD / Up to 500GB SSHD	**SSD / Hybrid option**	Up to 128GB SSD / Up to 1TB SSHD	Up to 160GB SSD, 256GB SED SSD / Up to 1TB SSHD	Up to 256GB SSD, 256GB SED SSD / Up to 1TB SSHD
None	**Raid**	None	Optional	Optional
Optional	**Optical drive**	Optional	Optional	Optional
1x HDMI, 1x VGA	**Video ports**	2x Display Port, 1x VGA	2x Display Port, 1x VGA	2x Display Port, 1x VGA
Standard Active PFC, 80 PLUS Bronze, 80 PLUS Gold	**Power Supply**	240 watts, autosensing		240 W standard efficiency, active PFC; 280 W, up to 93% efficient, active PFC
4x USB 3.0, 6x USB 2.0, SD, RJ-45, Serial, PS/2	**Input / output**	4 x USB3.0 + 6 x USB2.0, RJ-45, Serial, headphone, microphone, line in. Optional: Parallel, Serial	4x USB 3.0, 6x USB 2.0, SD, RJ-45, Serial, PS/2	4 USB 3.0; 6 USB 2.0; 1 serial; 2 PS/2; 1 audio in; 1 audio out; 1 RJ-45; 1 headphone; 1 microphone
2x PCIe	**Expansion**		2x PCIe, 2x PCIex1, optional 1x PCI	2x PCIe, 2x PCIex1, optional 1x PCI
Intel wireless card, Bluetooth	**Wireless LAN / Wireless Connectivity**		Intel 2x2 WLAN, Wi-Di, Bluetooth	Intel 2x2 WLAN, Wi-Di, Bluetooth
Standard security lock slot, Padlock loop, Intrusion switch, SED hard drive	**Physical security**	One lock to secure both cover and entire system to fixed object: Padlock loop (in rear for opt padlock). Security slot (in rear for optional Kensington MicroSaver cable). Intrusion Switch		Solenoid hood lock/sensor; Support for chassis padlocks and cable lock devices
TPM	**Security chips**	Security Chip	TPM	TPM
Dell Command Suite, vPro, ISM	**Management**	Intel Standard Manageability	Intel Standard Manageability	Intel Standard Manageability
28.97 x 9.40 x 31.24	**Small Form Factor (metric)**	42.2 x 16 x 38.8	33.8 x 37.9 x 10	33.8 x 37.9 x 10
11.4 x 3.7 x 12.3	**Small Form Factor (US)**	16.6 x 6.3 x 15.3	13.3 x 14.9 x 3.95	13.3 x 14.9 x 3.95
2014	**Launch Date**	2014	2014	

Dell OptiPlex 7020 Small Form Factor (SFF) unique features:

Dell Data Protection|Encryption, Dell Unique Vpro Extensions

Why Dell OptiPlex 7020 SFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Why Dell OptiPlex 7020 SFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Why Dell OptiPlex 7020 SFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

NEW OptiPlex 3040 Mini Tower

Dell's essential, entry-level commercial desktop offers value through great performance and best-in-class security. OptiPlex 3040 is now smaller, faster and more efficient without sacrificing the business-critical features you expect.

	Lenovo ThinkCentre M73	HP ProDesk 400 G3 Microtower	Lenovo ThinkCentre M79	HP ProDesk 405 G1
Chipset	Intel® H110	Intel® H81	Intel® H110	AMD A78 chipset	AMD SOC chipset
Processor	6th generation Intel® Celeron, Pentium, Core™ i7	4th generation Intel® Celeron, Pentium, Core™ i5	6th generation Intel® Celeron, Pentium, Core™ i7	AMD A4 to A10	AMD E1 to E4
Operating System	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu
Graphics	Intel HD, AMD	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia
Memory	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 32 GB DDR4 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)
Hard drive option	Up to 1TB SATA 7200 rpm, 500GB SED	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 2TB SATA 7200 rpm, 500GB SED	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 2TB SATA 7200 rpm, 320GB SED
SSD / Hybrid option	Up to 256GB SSD / 500GB SSHD	Up to 128GB SSD / Up to 500GB SSHD	Up to 51GB SSD / 1TB SSHD	Up to 128GB SSD / Up to 500GB SSHD	Up to 128GB SSD / Up to 500GB SSHD
Raid	None	None	None	None	None
Optical drive	Optional	Optional	Optional	Optional	Optional
Video ports	1x HDMI, 1x DP (1x VGA, 1XDP in Emerging APJ)	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA
Power Supply	EPA Platinum, EPA Bronze and APFC	EPA Platinum, EPA Bronze and APFC	EPA Gold, EPA Bronze and APFC	EPA Platinum, EPA Bronze and APFC	EPA Gold, EPA Bronze and APFC
Input / output	6 External USB 3.0 ports (2 front, 4 rear) , 4 External USB 2.0 ports (2 front, 2 rear), 1 Internal USB 2.0, RJ-45, Optional Serial, PS/2, UAJ, Line-out	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	6 External USB 3.0 ports (2 front, 4 rear) , 4 External USB 2.0 ports (4 rear), RJ-45, Optional Serial, PS/2, UAJ, Line-out	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	10x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0
Expansion	1x PCIex16, 3x PCIex1	1x PCIex16, 2x PCIex1	1x PCIex16, 3x PCIex1	1x PCIex16, 2x PCIex1 1xPCI	1x PCIex16, 3x PCIex1
Wireless LAN / Wireless Connectivity	802.11 AC	802.11 a/b/g/n	802.11 AC	802.11 a/b/g/n	802.11 a/b/g/n
Physical security	Optional Cable Cover, Industry standard lock	Industry standard lock	Industry standard lock	Industry standard lock	Industry standard lock
Security chips	TPM 2.0/1.2	TPM 1.2	TPM 1.2/TPM2.0	TPM 1.2	TPM 1.2
Management	Dell Command Suite	Lenovo Management tool	HP Mangament tool	Lenovo Management tool	HP Mangament tool
Mini tower (metric)	35 x 15.4 x 27.4	38.8 X 16 x 42.2	16.5 x 35.9 x 35.5	38.8 X 16 x 42.2	18.28 x 40.2 x 35.7
Mini tower (US)	13.8x 6.1x 10.8	15.3 x 6.3 x 16.6	6.5 x 14.1 x14 in	15.3 x 6.3 x 16.7	7.2 x 15.8 x 14.1
Launch date	Dec-15	Sep-14	Nov-15	Sep-14	Sep-14

NEW OptiPlex 3040 Small Form Factor

Dell's essential, entry-level commercial desktop offers value through great performance and best-in-class security. OptiPlex 3040 is now smaller, faster and more efficient without sacrificing the business-critical features you expect.

Lenovo ThinkCentre M73		HP ProDesk 400 G3 Microtower		Lenovo ThinkCentre M79	
Intel® H110	**Chipset**	Intel® H81	Intel® H110	AMD A78 chipset	
6th generation Intel® Celeron, Pentium, Core™ i7	**Processor**	4th generation Intel® Celeron, Pentium, Core™ i5	6th generation Intel® Celeron, Pentium, Core™ i7	AMD A4 to A10	
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating System**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	
Intel HD, AMD	**Graphics**	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia	
Up to 16 GB DDR3 memory (2 DIMM)	**Memory**	Up to 16 GB DDR3 memory (2 DIMM)	Up to 32 GB DDR4 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	
Up to 1TB SATA 7200 rpm, 500GB SED	**Hard drive option**	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 2TB SATA 7200 rpm, 500GB SED	Up to 1TB SATA 7200 rpm, 320GB SED	
Up to 256GB SSD / 500GB SSHD	**SSD / Hybrid option**	Up to 128GB SSD / Up to 500GB SSHD	Up to 51GB SSD / 1TB SSHD	Up to 128GB SSD / Up to 500GB SSHD	
None	**Raid**	None	None	None	
Optional	**Optical drive**	Optional	Optional	Optional	
1x HDMI, 1x DP	**Video ports**	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA	
EPA Platinum, EPA Bronze and APFC	**Power Supply**	EPA Platinum, EPA Bronze and APFC	TBU	EPA Platinum, EPA Bronze and APFC	
6 External USB 3.0 ports (2 front, 4 rear) , 4 External USB 2.0 ports (2 front, 2 rear), 1 Internal USB 2.0, RJ-45, Optional Serial, PS/2, UAJ, Line-out	**Input / output**	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	TBU	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	
1x PCIex16, 3x PCIex1	**Expansion**	1x PCIex16, 2x PCIex1	TBU	1x PCIex16, 2x PCIex1 1xPCI	
802.11 AC	**Wireless LAN / Wireless Connectivity**	802.11 a/b/g/n	802.11 AC	802.11 a/b/g/n	
Optional Cable Cover, Industry standard lock	**Physical security**	Industry standard lock	Industry standard lock	Industry standard lock	
TPM 2.0/1.2	**Security chips**	TPM 1.2	TPM 1.2/TPM2.0	TPM 1.2	
Dell Command Suite	**Management**	Lenovo Management tool	HP Mangament tool	Lenovo Management tool	
29.0 x 29.2 x 9.26	**Small form factor (metric)**	38.8 X 10 x 38.5	33.7 x 38.05 x 10	38.8 X 10 x 38.5	
11.4 x 11.5 x 3.6	**Small form factor (US)**	15.3 x 3.9 x 15.2	13.3 x 15 x 3.9	15.3 x 3.9 x 15.2	
Dec-15	**Launch Date**	Nov-14	Nov-15	Sep-14	

NEW OptiPlex 3040 Micro Form Factor

Dell's essential, entry-level commercial desktop offers value through great performance and best-in-class security. OptiPlex 3040 is now smaller, faster and more efficient without sacrificing the business-critical features you expect.

HP ProDesk 400 G2 Desktop Mini		Lenovo ThinkCentre M73 Tiny		Lenovo M600 Tiny		Lenovo ThinkCentre M79 Tiny
Intel® H110	**Chipset**	Intel® H110	Intel® H81	Pentium (10w) Intel System-on-Chip (SoC)	AMD A78 chipset
6th generation Intel® Celeron, Pentium, Core™ i7	**Processor**	6th generation Intel® Celeron, Pentium, Core™ i7	4th generation Intel® Celeron, Pentium, Core™ i5	6th generation Intel® Celeron, Pentium	AMD A4 to A10
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating System**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 10, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu
Intel HD	**Graphics**	Intel HD	Intel HD	Intel HD	Intel HD
Up to 16 GB DDR3 memory (2 SODIMM)	**Memory**	Up to 16 GB DDR4 memory (2 SODIMM)	Up to 16 GB DDR3 memory (2 SODIMM)	1 SoDIMM, up to 8GB	Up to 16 GB DDR3 memory (2 SODIMM)
Up to 1TB SATA 7200 rpm, 500GB SED	**Hard drive option**	TBU	Up to 1TB SATA 7200 rpm, 320GB SED	2 .5" HDD	Up to 1TB SATA 7200 rpm, 320GB SED
Up to 256GB SSD / 500GB SSHD	**SSD / Hybrid option**	TBU	Up to 128GB SSD / Up to 500GB SSHD	2 .5" SSHD/SSD	Up to 128GB SSD / Up to 500GB SSHD
None	**Raid**	None	None	None	None
Optional	**Optical drive**	Optional	Optional	Optional	Optional
1x HDMI, 1x DP	**Video ports**	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA
External 65W	**Power Supply**	EPA Gold, EPA Bronze and APFC	External 65W	External 65W	External 65W
4 USB3.0 (2 front, 2 rear), 2 USB 2.0 rear, 1 RJ-45, 1 Line-out (front), 1 External Antenna Serial+PS2 (optional)	**Input / output**	TBU	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	6 USB3.0 (2 front, 4 rear), 1 RJ-45, 1 Line-out (front), 1 E0xternal Antenna Serial+PS2 (optional)	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0
	Expansion				
802.11 AC	**Wireless LAN / Wireless Connectivity**	802.11 AC	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n
Optional Cable Cover, Industry standard lock	**Physical security**	Optional Cable Cover, Industry standard lock	Industry standard lock	Industry standard lock	Industry standard lock
TPM 2.0/1.2	**Security chips**	TPM 2.0/1.2	TPM 1.2	Intel PTT - Soft TPM	TPM 1.2
Dell Command Suite	**Management**	HP BIOSphere Management tool	Lenovo Management tool	Lenovo Management tool	Lenovo Management tool
18.2 x 3.6 x 17.6	**Micro form factor (metric)**	17.5 x 3.4 x 17.7	17.8 x 18.3 x 3.3	17.8 x 18.3 x 3.3	17.8 x 18.3 x 3.3
7.17 x 1.4 x 6.93	**Micro form factor (US)**	6.9 x 1.3 x 7.0	7 x 7.17 x 1.35	7 x 7.17 x 1.35	7 x 7.17 x 1.35
Vertical Stand, VESA Mount, Dual VESA Mount, All in One Mount, Console with DVD-RW, All in One Mount for E Series Displays	**Mounts**		Vertical stand, VESA mount, "Sandwich mount" (Dual VESA), Under Desk, L Bracket mounting kit		Vertical stand, VESA mount, "Sandwich mount" (Dual VESA), Under Desk, L Bracket mounting kit
Dec-15	**Launch date**	Oct-15			

OptiPlex 3020 Mini Tower

Essential Computing

Offers essential computing power, productivity and collaboration features with basic manageability and best-in-class security.

This powerful Mini Tower has room to grow along with your business.

	Lenovo ThinkCentre M73	HP ProDesk 400/490 G1	Lenovo ThinkCentre M79	HP ProDesk 405 G1
Chipset	Intel® H81	Intel® H81	Intel® H81 (HP 400)/Intel H97 (HP 490)	AMD A78 chipset	AMD SOC chipset
Processor	4th generation Intel® Celeron, Pentium, Core™ i5	4th generation Intel® Celeron, Pentium, Core™ i5	4th generation Intel® Celeron, Pentium, Core™ i7	AMD A4 to A10	AMD E1 to E4
Operating System	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu
Graphics	Intel HD, AMD	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia
Memory	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 32 GB DDR3 memory (4 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)
Hard drive option	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 2TB SATA 7200 rpm, 320GB SED
SSD / Hybrid option	Up to 128GB SSD / Up to 500GB SSHD	Up to 128GB SSD / Up to 500GB SSHD	Up to 128GB SSD / Up to 500GB SSHD	Up to 128GB SSD / Up to 500GB SSHD	Up to 128GB SSD / Up to 500GB SSHD
Raid	None	None	None	None	None
Optical drive	Optional	Optional	Optional	Optional	Optional
Video ports	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA
Power Supply	EPA Gold, EPA Bronze and APFC	EPA Platinum, EPA Bronze and APFC	EPA Gold, EPA Bronze and APFC	EPA Platinum, EPA Bronze and APFC	EPA Gold, EPA Bronze and APFC
Input / output	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	10x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0
Expansion	1x PCIex16, 3x PCIex1	1x PCIex16, 2x PCIex1	1x PCIex16, 3x PCIex1	1x PCIex16, 2x PCIex1 1xPCI	1x PCIex16, 3x PCIex1
Wireless LAN / Wireless Connectivity	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n
Physical security	Industry standard lock	Industry standard lock	Industry standard lock	Industry standard lock	Industry standard lock
Security chips	TPM 1.2	TPM 1.2	TPM 1.2	TPM 1.2	TPM 1.2
Management	Dell Command Suite	Lenovo Management tool	HP Mangament tool	Lenovo Management tool	HP Mangament tool
Mini tower (metric)	36.0 x 17.5 x 41.7	38.8 X 16 x 42.2	18.28 x 40.2 x 35.7	38.8 X 16 x 42.2	18.28 x 40.2 x 35.7
Mini tower (US)	14.2 x 6.9 x 16.4	15.3 x 6.3 x 16.6	7.2 x 15.8 x 14.1	15.3 x 6.3 x 16.7	7.2 x 15.8 x 14.1
Launch Date					

Dell OptiPlex 3020 Mini Tower unique features:

BIST on the
PSU
4 expansion slots on Dell vs 3 on Lenovo

Why Dell OptiPlex 3020 Mini Tower :

4 Expansion slots

Why Dell OptiPlex 3020 Mini Tower :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Why Dell OptiPlex 3020 Mini Tower :

4 Expansion slots

The OptiPlex 3020 offers standard voltage Intel CPUs; better throughput from the system.

Why Dell OptiPlex 3020 Mini Tower :

The OptiPlex 3020 is more friendly to IT departments since its true tool-less chassis design with no thumb-screws improves serviceability.

The OptiPlex 3020 offers standard voltage Intel CPUs; better throughput from the system.

OptiPlex 3020 Small Form Factor

Essential Computing

Offers essential computing power, productivity and collaboration features with basic manageability and best-in-class security.

Power and dependability in a small size that can be placed vertically or horizontally.

Lenovo ThinkCentre M83		HP ProDesk 400		Lenovo ThinkCentre M79
Intel® H81	**Chipset**	Intel® H81	Intel® H81	AMD A78 chipset
4th generation Intel® Celeron, Pentium, Core™ i5	**Processor**	4th generation Intel® Celeron, Pentium, Core™ i5	4th generation Intel® Celeron, Pentium, Core™ i7	AMD A4 to A10
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating System**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu
Intel HD, AMD	**Graphics**	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia	Intel HD, AMD,nVidia
Up to 16 GB DDR3 memory (2 DIMM)	**Memory**	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)
Up to 1TB SATA 7200 rpm, 320GB SED	**Hard drive option**	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 1TB SATA 7200 rpm, 320GB SED
Up to 128GB SSD / Up to 500GB SSHD	**SSD / Hybrid option**	Up to 128GB SSD / Up to 500GB SSHD	Up to 128GB SSD / Up to 500GB SSHD	Up to 128GB SSD / Up to 500GB SSHD
None	**Raid**	None	None	None
Optional	**Optical drive**	Optional	Optional	Optional
1x HDMI, 1x VGA	**Video ports**	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA
EPA Gold, EPA Bronze and APFC	**Power Supply**	EPA Platinum, EPA Bronze and APFC	EPA Gold, EPA Bronze and APFC	EPA Platinum, EPA Bronze and APFC
8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	**Input / output**	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0
1x PCIex16, 3x PCIex1	**Expansion**	1x PCIex16, 2x PCIex1	1x PCIex16, 3x PCIex1	1x PCIex16, 2x PCIex1 1xPCI
802.11 a/b/g/n	**Wireless LAN / Wireless Connectivity**	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n
Industry standard lock	**Physical security**	Industry standard lock	Industry standard lock	Industry standard lock
TPM 1.2	**Security chips**	TPM 1.2	TPM 1.2	TPM 1.2
Dell Command Suite	**Management**	Lenovo Management tool	HP Mangament tool	Lenovo Management tool
29.0 x 9.3 x 31.2	**Small Form Factor (metric)**	38.8 X 10 x 38.5	33.7 x 38.05 x 10	38.8 X 10 x 38.5
11.4 x 3.7 x 12.3	**Small Form Factor (US)**	15.3 x 3.9 x 15.2	13.3 x 15 x 3.9	15.3 x 3.9 x 15.2
2014	**Launch Date**	2014	2014	

Dell OptiPlex 3020 Small Form Factor (SFF) unique features:

BIST on the
PSU
4 expansion slots on Dell vs 3 on Lenovo

Why Dell OptiPlex 3020 SFF :

4 Expansion slots

Why Dell OptiPlex 3020 SFF :

Dell leading Security (DDPE, DDPST), and Cloud Computing Solutions (Wyse)

Why Dell OptiPlex 3020 SFF :

4 Expansion slots

The OptiPlex 3020 offers standard voltage Intel CPUs; better throughput from the system.

OptiPlex 3020 Micro Form Factor

Essential Computing

Offers essential computing power, productivity and collaboration features with basic manageability and best-in-class security.

The smallest OptiPlex fits anywhere you need it with multiple mounting options.

Lenovo ThinkCentre M73 Tiny		Lenovo ThinkCentre M53 Tiny	Lenovo ThinkCentre M79 Tiny
Intel® H110	**Chipset**	Intel® H81	Bay Trail Celeron and Pentium (10w) Intel System-on-Chip (SoC)	AMD A78 chipset	
6th generation Intel® Celeron, Pentium, Core™ i7	**Processor**	4th generation Intel® Celeron, Pentium, Core™ i5	4th generation Intel® Celeron, Pentium	AMD A4 to A10	
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating System**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	
Intel HD	**Graphics**	Intel HD	Intel HD	Intel HD	
Up to 16 GB DDR3 memory (2 SODIMM)	**Memory**	Up to 16 GB DDR3 memory (2 SODIMM)	1 SoDIMM, up to 8GB	Up to 16 GB DDR3 memory (2 SODIMM)	
Up to 1TB SATA 7200 rpm, 320GB SED	**Hard drive option**	Up to 1TB SATA 7200 rpm, 320GB SED	500 Hybrid w/8GB Flash and SSD's	Up to 1TB SATA 7200 rpm, 320GB SED	
Up to 128GB SSD / Up to 500GB SSHD	**SSD / Hybrid option**	Up to 128GB SSD / Up to 500GB SSHD	500 Hybrid w/8GB Flash and SSD's	Up to 128GB SSD / Up to 500GB SSHD	
None	**Raid**	None	None	None	
Optional	**Optical drive**	Optional	Optional	Optional	
1x HDMI, 1x VGA	**Video ports**	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA	
External 65W	**Power Supply**	External 65W	External 65W	External 65W	
6 USB3.0 (2 front, 4 rear), 1 RJ-45,	**Input / output**	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0	
1 Line-out (front), 1 External Antenna Serial+PS2 (optional)"	**Expansion**				
802.11 AC	**Wireless LAN / Wireless Connectivity**	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	
Optional Cable Cover, Industry standard lock	**Physical security**	Industry standard lock	Industry standard lock	Industry standard lock	
TPM 2.0	**Security chips**	TPM 1.2	TPM 1.2	TPM 1.2	
Dell Command Suite	**Management**	Lenovo Management tool	Lenovo Management tool	Lenovo Management tool	
18.2 x 3.6 x 17.6	**Micro form factor (metric)**	17.8 x 18.3 x 3.3	17.8 x 18.3 x 3.3	17.8 x 18.3 x 3.3	
7.17 x 1.4 x 6.93	**Micro form factor (US)**	7 x 7.17 x 1.35	7 x 7.17 x 1.35	7 x 7.17 x 1.35	
Vertical Stand, VESA Mount, Dual VESA Mount, All in One Mount, Console with DVD-RW, All in One Mount for E Series Displays	**Mounts**	Vertical stand, VESA mount, "Sandwich mount" (Dual VESA), Under Desk, L Bracket mounting kit	Vertical stand, VESA mount, "Sandwich mount" (Dual VESA), Under Desk, L Bracket mounting kit	Vertical stand, VESA mount, "Sandwich mount" (Dual VESA), Under Desk, L Bracket mounting kit	
	Launch Date				

Dell OptiPlex 3020 Mini Tower unique features:

Why Dell OptiPlex 3020 Mini Tower :

Dell OptiPlex Micro offers native PS/2 whereas the Lenovo Tiny solution requires their I/O Expansion. Many PS/2 customers completely disable USB ports for security. Customer cannot do this with Lenovo's design.
Dell OptiPlex Micro also offers many desired customer features such as a completely tool-less chassis.

Why Dell OptiPlex 3020 Mini Tower :

Dell OptiPlex Micro offers native PS/2 whereas the Lenovo Tiny solution requires their I/O Expansion. Many PS/2 customers completely disable USB ports for security. Customer cannot do this with Lenovo's design.
Dell OptiPlex Micro also offers many desired customer features such as a completely tool-less chassis.

Why Dell OptiPlex 3020 Mini Tower :

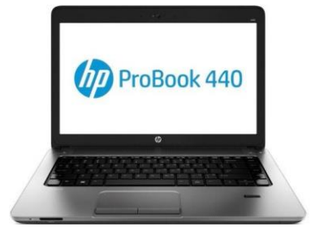
Dell OptiPlex Micro offers native PS/2 whereas the Lenovo Tiny solution requires their I/O Expansion. Many PS/2 customers completely disable USB ports for security. Customer cannot do this with Lenovo's design.
Dell OptiPlex Micro also offers many desired customer features such as a completely tool-less chassis.

NEW Vostro 14 5000 Series (5459)

Portable convenience. Thin design.

For small and growing business professionals who want a secure and reliable laptop with a thin and light design and uncompromised performance for everyday productivity.

The new Vostro 14 5000 Series is thinner and lighter than ever before and features the latest generation of Intel® Core™ processors and Windows 10 Professional or Windows 8.1. Work from anywhere with the optional Dell power companion and a host of connectivity options.

	Lenovo M41 Series	Lenovo ThinkPad E460	HP ProBook 440 G3
			
Processor	5th generation Intel® Pentium, Core™ i3, i5 or i7 6th generation Intel® Core™ i3, i5 or i7	6th generation Intel® Core™ i3, i5 or i7	6th generation Intel® Core™ i3, i5 or i7
Operating System	Up to Microsoft® Windows 10	Microsoft® Windows 7, 10	Microsoft® Windows 7, 8.1, 10; Ubuntu; Linux
Graphics	Intel HD 520 Graphics and AMD R7 M360 2GB	Intel HD 520 Graphics or AMD Radeon R5 M330 2GB or R7 M360 2GB	Intel HD 520 Graphics
Memory	Up to 16 GB DDR3L memory (2 DIMM)	Up to 16 GB DDR3L memory (2 DIMM)	Up to 16 GB DDR3L memory (2 DIMM)
Display	14” up to Full HD AG IPS	14” HD AG 220nits or Full HD AG 250 nits	14” AG-HD or FHD
Touch option	NA	NA	Optional AG HD LED-backlit touch screen
Hard drive option	Up to 1TB 5400 rpm 8GB cache SSHD	Up to 1TB 5400 rpm HDD, 500G 7200rpm HDD, 500G SSHD	Up to 1TB 5400 rpm HDD and 500G SSHD
SSD option	128GB SSD	192GB SSD	Up to 256GB SSD
Optical drive	None	None	None
Keyboard	Backlit not offered	Backlit not offered	Backlit travel keyboard; full-sized, spill resistant backlit keyboard (optional)
Battery life	Up to 9 hours battery life	Up to 9 hours battery life	Up to 10.25 hours battery life with 4-cell/44Whr or 6-cell/51Whr
Input / output	3x USB 3.0, SD, RJ-45	3x USB 3.0, one-link, SD, RJ-45	2x USB 3.0, 1x USB 2.0, SD, RJ-45
Video ports	1x HDMI, VGA	1x HDMI	1x VGA, 1x HDMI
Wireless LAN	WiFi AC	WiFi	Realtek bgn 1x1, Intel 3160 AC 1x1, Intel 3165 AC 1x1, Intel 8260 AC 2x2, Broadcom 2x2 AC
Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0	Bluetooth 4.0
Mobile Broadband	NA	NA	NA
Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot
Security chips	NA	NA	TPM
Authentication factors	Optional Fingerprint reader	Optional fingerprint reader	Optional fingerprint reader
Security software	McAfee, smart finger printer, USB blocker	McAfee	HP Client Security
Weight	Starting at 1.9kg / 4.2lb	Starting at 1.9kg / 4.2lb	Starting at 1.68kg / 3.69lb
Size (metric)	338 x 245 x 20.8 mm (non-touch)	339 x 239 x 21.8-23.9mm (non-touch, aluminum) 339 x 239 x 22.1-24.4mm (non-touch, plastic)	339.2 x 244.5 x 20.9 mm (non-touch)
Size (US)	13.3 x 9.64 x 0.81 in (non-touch)	13.35 x 9.41 x 0.86-0.9 in (non-touch) 13.35 x 9.41 x 0.87-0.96 in (non-touch)	13.35 x 9.61 x 0.83 in (non-touch)
Launch date	Mid 2015	End 2015	End 2015

Dell Vostro 14 5000 unique features:

- Discrete graphics up to 4G vRAM
- Ubuntu, Linux vs. Lenovo
- 256 SSD vs. Lenovo
- Optional touch vs. Lenovo
- Optional backlit keyboard vs. Lenovo
- Long battery life vs. Lenovo

Why Dell Vostro 14 5000:

- Longer battery life with optional Power Companion
- Thinner and lighter design at 18.5mm/0.73in and 1.66kg/3.65lb
- Up to 256G SSD
- Optional 4G vRAM
- Touch offering

Why Dell Vostro 14 5000:

- Longer battery life with optional Power Companion
- Thinner and lighter design at 18.5mm/0.73in and 1.66kg/3.65lb
- Up to 256G SSD
- Optional 4G vRAM
- Touch offering

Why Dell Vostro 14 5000:

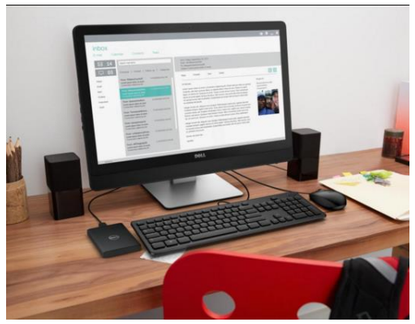
- Longer battery life with optional Power Companion
- Thinner and lighter design at 18.5mm/0.73in and 1.66kg/3.65lb
- 3x USB 3.0
- Optional 4G vRAM

NEW Vostro 24 5000 Series All-in-One (5450)

Performance for small business.

Available with Windows 10
Connect to your digital world with impressive speed and power. Introducing the new Vostro 24 5000 Series All-in-One desktop, powered by up to 6th generation Intel® Core™ i5 processors and 2GB[1] discrete graphics from NVIDIA® to bring your ideas to life brilliantly and effectively.

Keep your desktop space organized with this space-saving 23.8" AIO. Take full advantage of all the Windows 10 features for business. Help minimize your downtime with convenient support .



Intel® H110	Chipset	NA					
23.8" Full HD	Display	23" Full HD					
6th generation Intel® S-type Core™ CPU: Pentium i3, i5	Processor	5th generation Intel® U-type Core™ CPU: Pentium, i5					
Microsoft® Windows 10, Ubuntu	Operating System	Microsoft® Windows 10					
Intel HD, NV GF930M 2GB VRAM	Graphics	Intel HD, NV GF820A 2GB VRAM					
Up to 4 GB DDR3 memory (2 DIMM)	Memory	8 GB DDR3 memory					
NA	Touch option	NA					
500GB and 1TB SATA 7200 rpm	Hard drive option	Up to 2TB SATA 7200 rpm					
NA	SSD / Hybrid option	NA					
NA	Raid	NA					
NA	Optical drive	DVDRW					
1x HDMI in, 1x HDMI Out	Video ports	1x HDMI Out					
External adapter	Power Supply	External adapter					
2x USB 3.0, 4x USB 2.0, SD, RJ-45	Input / output	2x USB 3.0, 3x USB 2.0, SD, RJ-45					
720p	Webcam	720p					
802.11ac WLAN	Wireless LAN	802.11n WLAN					
Bluetooth	Wireless connectivity	Bluetooth					
NA	Physical security	NA					
NA	Security chips	NA					
NA	Management	NA					
576.62 x 39.3 x 385.33mm	Dimensions (WxDxH) no Stand - Metric	532 x 407 x 196mm					
22.7 x 1.5 x 15.2in	Dimensions (WxDxH) no Stand - US	20.9 x 16.0 x 7.7in					
Pedestal type, VESA	Stands	Pedestal type, non-VESA					
November 2015	Launch Date	September 2015					

Lenovo C5030 All-in-One

Dell Vostro 24 5000 Series All-in-One unique features:

- Latest Intel® processor
- Slim
- Small z-height
- Ubuntu

Why Dell Vostro 24 5000 Series All-in-One :

- Better CPU and GPU performance
- OS options
- More attractive design

Vostro 14/15 3000 Series (3458, NEW 3459, 3558, NEW 3559)

Made for small business. Made for you.

Available with Windows 10
This Vostro 3000 Series laptop, available in 14" and 15", delivers the right balance of business features and performance for business and working professionals.

The portable Vostro 14/15 3000 Series is less than 1" thin and packed with business features to make your work life easier, like up to the 6th generation of Intel® Core™ processors, NVIDIA® discrete graphics, Full HD display and more.

	Lenovo B4X/B5X Series	HP 24X/25X G4	HP 34X/35X G2
Processor	Intel® 4th gen Core™ i3, Intel® 5th gen Core™ i3/i5, Intel® 6th gen Core™ i3 / i5 / i7, Intel® Celeron® U/N, Intel® Pentium® U/N, AMD A and E series	Intel® 4th gen Core™ i3, Intel® 5th gen Core™ i3, Intel® 6th gen Core™ i3, Intel® Celeron® N, Intel® Pentium® U (14"only) and N, AMD A and E series	Intel® 4th and 5th gen Core™, Intel® Celeron® (based on U), Intel® Pentium® (based on U, 350 only), AMD A series
Operating system	Microsoft® Windows 7 / 8.1 / 10 (64-bit), Ubuntu Linux, DOS	Microsoft® Windows 7 / 8.1 / 10 (64-bit), Ubuntu Linux, FreeDos 2.0	Microsoft® Windows 7 / 8.1 / 10 (64-bit), Ubuntu Linux, NeoKylin, FreeDos 2.0
Graphics	Intel® HD 4400 / 5500 / 520 / HD, Intel® GMA HD, AMD Radeon up to R5, AMD R5 M330 up to 2GB GDDR3, AMD R5 M230 1GB or 2GB	Intel® HD 4400 / 5500 / 520 / HD, AMD Radeon R2/R4/R5 – 245/255, AMD Radeon R5 330M 2GB – 240/250 only	Intel® HD 4400 / 5500 / 520 / HD, Intel® UMA, AMD® Radeon R2 / R3 / R4, AMD® R5 M240 up to 2GB GDDR3
Memory	Up to 16 GB DDR3L (2 DIMM)	Up to 16 GB DDR3L memory (2 DIMM)	Up to 16 GB DDR3L (2 x SoDIMM)
Display	Anti-glare HD or FHD, Glarre HD touch (15" only)	Anti-glare HD, Glarre HD touch (15" only)	Anti-glare HD
Touch option	Optional anti-glare HD LED-backlit touch screen	Optional anti-glare HD LED-backlit touch screen	N/A
Hard drive option	Up to 1TB 5400 rpm 8GB cache SSHD	Up to 1TB 5400 rpm HDD, 500G 7200 rpm HDD	Up to 1TB 5400 rpm HDD
SSD option	240G SSD	N/A	N/A
Optical drive	DVD +/- RW SuperMulti DL, air bay	DVD +/- RW SuperMulti DL	DVD +/- RW SuperMulti DL, air bay
Keyboard	Standard full size NB keyboard	Standard full size NB keyboard	Standard full size NB keyboard
Battery life	32Whr 4Cell Li-Ion, 48Whr 6Cell Li-ion	31Whr 3Cell Li-Ion, 41Whr 4Cell Li-ion	41Whr 4Cell Li-Ion
Input / output	2x USB 3.0, 1x USB 2.0, SD card reader, audio jack	1x USB 3.0, 2x USB 2.0, SD card reader, audio jack	2x USB 3.0, 1x USB 2.0, SD card reader, audio jack
Video ports	1x HDMI, 1x VGA	1x VGA, 1x HDMI	1x VGA, 1x HDMI
Wireless LAN	802.11 ac (1x1) + BT 4.0, 802.11bgn (1x1) + BT 4.0	802.11bgn (1x1) + BT 4.0, 802.11bgn (1x1)	802.11 abgn (2x2) +BT 4.0, 802.11bgn (1x1) + BT 4.0, 802.11bgn (1x1) – 350/355 only
Wireless connectivity	Bluetooth 4.0	BT 2.1 or BT 4.0 (245/255 optional)	Bluetooth 4.0
Mobile broadband	N/A	N/A	N/A
Physical security	Kensington lock slot	Kensington lock slot	Kensington lock slot
Security chips	N/A	N/A	TPM 1.2 (select model)
Authentication factors	Fingerprint reader (select model)	N/A	Fingerprint reader (select model)
Security software	Anti-virus	McAfee Antivirus	McAfee Antivirus
Weight	14": 1.94kg (4.28lb) 15": 2.24kg (4.94lb)	14": 2.1kg (4.63lb) 15": " 2.31kg (5.1lb)	14": 1.9kg (4.19lb) 15": 2.2kg (4.73 lb)	14": 1.99kg (4.41lb) 15": 2.3kg (5.07lb)
Size (metric)	14": 23.35 x 345 x 243mm 15": 23.75 x 380 x 260.4mm	14": 24.5 x 340 x 247mm 15": 25.4 x 381 x 261.6mm	14": 23.9 x 345 x 242mm 15": 24.3 x 384 x 255mm	14": 22.9 x 347 x 245mm 15": 23.1 x 384 x 261mm
Size (US)	14": 0.91 x 13.58 x 9.57in 15": 0.93 x 14.96 x 10.25in	14": 0.96 x 13.39 x 9.72in 15": 1.0 x 15.0 x 10.3in	14": 0.90 x 13.59 x 9.51in 15": 0.95 x 15.12 x 10.02in	14": 0.90 x 13.66 x 9.65in 15": 0.91 x 15.12 x 10.39in
Launch date	March 2015 (Intel® 5th gen Core™) September 2015 (Intel® 6th gen Core™)	2014 (Intel® 4th and 5th gen Core™) September 2015 (Intel® 6th gen Core™)	September 2015	March 2014

Dell Vostro 14 5000 unique features:

- 128GB SSD vs. HP
- Thinner than Lenovo
- Lighter than Lenovo and HP 34X/35X G2

Why Dell Vostro 14 5000:

- Thinner and lighter design

Why Dell Vostro 14 5000:

- 128GB SSD

Why Dell Vostro 14 5000:

- 128GB SSD
- Lighter weight

Vostro 15 3000 Series (3546/3549)

Versatile & Portable. One laptop for work and play.

The new Vostro 15 3000 Series is a feature-rich 15.6" laptop for small business and professionals who demand solid performance to work through the day with ease and speed.

The Vostro 15 is designed with an optical drive and features the 4th and 5th generation of Intel® Core™ processors and Windows 10. This laptop offers a suite of service and support solutions, including self-help support ,that can be easily accessed right from your desktop.

Lenovo B50-70/80 Series

HP 250 G3

4th generation Intel® Celeron 5th generation Intel® Core™ i3 and i5	Processor	4th generation Intel® Core™ i3 5th generation Intel® Celeron, Core™ i5	4th, 5th generation Intel® Celeron and Core™ i5				
Microsoft® Windows 7 Pro, 8.1, 10; Ubuntu Linux	Operating system	Up to Microsoft® Windows 10, Ubuntu Linux	Up to Microsoft® Windows 10, Ubuntu Linux				
Intel HD 4400, 5500 Graphic or NVIDIA® GeForce® 920M	Graphics	Intel HD 4400, 5500 Graphics and AMD R5 M330 2GB	Intel HD Graphics and AMD R5 M330 2GB				
Up to 8GB DDR3L memory (1 DIMM)	Memory	Up to 16GB DDR3L (2 DIMM)	Up to 16GB DDR3L memory (2 DIMM)				
15" anti-glare (AG) HD WLED	Display	15" up to Full HD AG	15" AG-HD				
NA	Touch option	NA	Optional AG HD LED-backlit touch screen				
Up to 1TB 5400 rpm HDD	Hard drive option	Up to 1TB 5400 rpm 8GB cache SSHD	Up to 1TB 5400 rpm HDD, 500G 7200rpm HDD,				
NA	SSD option	NA	NA				
Built-in 9.5 inch SATA tray load 8X DVD+/-RW	Optical drive	DVD +/- RW SuperMulti DL	DVD +/- RW SuperMulti DL				
Standard full size, Chiclet keyboard	Keyboard	Standard full size NB keyboard	Standard full size NB keyboard				
4-cell/40Whr Battery	Battery life	32Whr 4-cell Li-Ion 48Whr 6-cell Li-ion	31Whr 3Cell Li-Ion 41Whr 4Cell Li-ion				
1x USB 3.0, 2x USB2.0, SD, RJ-45	Input / output	2x USB 3.0,1x USB2.0 SD, RJ-45	1x USB 3.0, 2x USB2.0, SD, RJ-45				
1x VGA	Video ports	1x HDMI, 1x VGA	1x VGA, 1x HDMI				
Dell wireless 802.11 b/g/n 1x1	Wireless LAN	WiFi	WiFi 802.11 b/g/n (1x1)				
Bluetooth 4.0	Wireless connectivity	Bluetooth 4.0	Bluetooth 4.0				
N/A	Mobile broadband	N/A	N/A				
Kensington lock slot	Physical security	Kensington lock slot	Kensington lock slot				
No TPM	Security chips	N/A	N/A				
N/A	Authentication factors	Optional fingerprint reader	N/A				
McAfee Antivirus	Security software	Anti-virus	McAfee Antivirus				
Starting at 2.38kg / 5.24lb (w/4-cell battery)	Weight	Starting at 2.31kg / 5lb	Starting at 2.2kg /4.73lb				
381.4 x 267.5 x 25.6mm	Size (metric)	381.0 x 261.6 x 25.4mm	384 x 255 x 24mm				
15.0 x 10.5 x 1.0in	Size (US)	15.0 x 10.3 x 1in	15.12 x 10.02 x 0.95in				
December 2014	Launch date	2014	2014				

Dell Vostro 15 3000 unique features:

- NVIDIA® discrete graphics

Dell Vostro 15 3000 unique features:

- Dell end-to-end solutions including services and support

Dell Vostro 15 3000 unique features:

- Dell end-to-end solutions including services and support

Vostro Desktop (AMD) (3905)

Revolutionary performance and scalability.

Available with Windows 10
The redesigned Vostro Desktop (AMD) featuring the latest AMD APU offers exceptional value with solid performance, best-in-class graphics, in an expandable mini tower.

Turn your desktop tower into a full business solution simply by adding a Dell monitor, keyboard and mouse. Vostro systems also offer a suite of service and support solutions designed with your business in mind.

	Lenovo Erazer X315	Lenovo ThinkCenter M79	HP 251	HP Prodesk 405 G2
AMD A78	**Chipset**	A78	A78	SOC	SOC
AMD X2 to A10-7800	**Processor**	AMD A10-6700/7800	Up to AMD A8-7600B	from E1 to A6	from E1 to A8
Microsoft® Windows 7, 8.1 & 10, Ubuntu	**Operating system**	Windows 8.1	Up to Windows 8.1 Pro 64	Windows 10	Win 7 Pro 32 bit, Win 7 Pro 64 bit Win 8.1 Pro 64 bit; Win 8.1 64 downgrade to Win 7 Pro Free DOS 2.0 Ubuntu
nVidia GT705(2G), AMD R9-360	**Graphics**	AMD Radeon R7 240(2GB) GTX750(2G)	Up to AMD Radeon HD7450 1GB	AMD Integrated graphic card	AMD intregrated graphic card; NVIDIA GT 630 (2 GB); NVS315 (1 GB); NVS310 (512 MB)
Up to 16 GB DDR3 memory (2 DIMM)	**Memory**	Up to 32GB DDR3 memory (4 DIMM)	Up to 32GB DDR3 memory	Up to 16GB DDR3 memory	Up to 8G DDR3 memory
Up to 2TB SATA 7200 rpm	**Hard drive option**	up to 1TB SATA 7200 rpm	Up to 2TB SATA 7200 rpm	Up to 2TB SATA 7200 rpm	Up to 2TB SATA 7200 rpm
None	**SSD / Hybrid option**	None	256G SSD	None	None
None	**Raid**	None	None	None	None
Optional	**Optical drive**	DVD Rambo	DVD	SuperMulti DVD Burner	Slim SATA Blu-ray BDXL Writer; Slim SATA SuperMulti DVD writer; Slim SATA DVD-ROM
1x HDMI, 1x VGA	**Video ports**	VGA, HDMI, DVI	VGA, DP	VGA, DP	VGA, DP
EPA Bronze and NPFC, 200W and 300W	**Power supply**	280W	Single Output PSU with Max. 450 W via SpB	65 W AC power adapter	180 W standard efficiency, active PFC; 180 W, up to 85% efficient, active PFC
4 x USB 2.0 (2 front, 2 rear), 2 x USB 3.0 (Back), RJ-45, 3-stack audio jacks,Mic and Headphone Jack, 19-in-1 MCR(Option)	**Input / output**	Front: 2 USB3.0 Rear: 2 USB2.0 +2 USB3.0 6Jack(Mic-in,Line in,Line out,Cen/LFE,SURR,SPDIF out) 1 RJ45	Front: 2 USB 2.0; Rear: 2 USB 2.0 + 2 USB 3.0	7-in-1 Media Card Reader, 2 USB 3.0; 2 USB 2.0 (rear); 2 USB 2.0 (front); 1 headphone/microphone combo	"2 USB 3.0; 1 headphone; 1 microphone" 4 USB 2.0; 1 serial; 2 PS/2 (keyboard and mouse); 1 RJ-45; 1 DisplayPort 1.2; 1 VGA; 1 parallel (optional); 1 serial (optional); 1 audio line in; 1 audio line out
1x PCIex16, 3x PCIex1	**Expansion**	None	1xPCI, 1xPCIe*16, 2xPCIe*1	1 mini PCIe x0.5	3 full-height PCIe (x1); 1 full-height PCIe x16
None	**Wireless LAN / wireless connectivity**	None	802.11b/g/n or a/b/g/n or ac/b/g/n	HP WLAN 802.11 b/g/n 1x1 Mini Card	Integrated Realtek RTL8151GH-CG GbE LOM; Intel I210-T1 PCIe GbE (optional); Intel Dual Band Wireless-N 7260 802.11 a/b/g/n PCIe (optional); HP 802.11a/b/g/n 2x2 Wireless Dual Band Mini Card with Bluetooth® (optional); Intel 7260 802.11 a/b/g/n wireless PCIe (optional)
Industry standard lock	**Physical security**	None	None	None	None
None	**Security chips**	None	TPM 1.2	None	TPM 1.2
HDD Protection SW; McAfee; DDPER	**Management**	None	Lenovo® Solution Center; Password Manager	None	Port disable via BIOS; HP Client Management Solution
360 x 175 x 435mm	**Mini tower (metric)**	383.6 x 177 x 457.7mm	388.1 x 160.0 x 421.6mm	364.0 x 165.1 x 378.0mm	357 x 183 x 402mm
14.2 x 6.9 x 13.6in	**Mini tower (US)**	15.1 x 7.0 x 18.0in	15.3 x 6.3 x 16.6in	14.3 x 6.5 x 14.9in	15.04 x 7.2 x 15.9in
July 2015	**Launch date**	?	?	?	?

Dell Vostro Desktop (AMD) unique features:

- Full stack of standard voltage APU with discrete graphic card offering
- Expansion slot with basic management solution make it best fit for SB users

Why Dell Vostro Desktop (AMD):

- Expansion slot
- Lenovo model is geared toward gamers, not professionals

Why Dell Vostro Desktop (AMD):

- APU is one generation ahead
- Discrete graphics card

Why Dell Vostro Desktop (AMD):

- Standard voltage APU

Why Dell Vostro Desktop (AMD):

- Standard voltage APU

NEW Vostro Desktop (Intel®) (3650/3653)

Scalable. Powerful. Reliable

Available with Windows 10
Meet the new Vostro Desktop (Intel®) redesigned to save space without compromising performance that can grow with your business.

Get the latest technology and plenty of storage space in an expandable mini tower. These desktops are dependable and built to last while providing you with the service and support you deserve.

	Lenovo Qitian B4550/M4550	Lenovo Yangtian M4600	Lenovo ThinkCentre E73	HP ProDesk 400/490 G1
Chipset	Intel® H81	Intel® H81	Intel® H81	Intel® H81 (HP 400)/Intel® H97 (HP 490)
Processor	4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	4th generation Intel® Celeron, Pentium, Core™ i7
Operating system	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu
Graphics	Intel® HD, NVIDIA®	Intel® HD, NVIDIA®	Intel® HD, NVIDIA®	Intel® HD, NVIDIA®, AMD
Memory	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)/ Up to 32 GB DDR3 memory (4 DIMM)
Hard drive option	Up to 2TB SATA 7200 rpm	Up to 2TB SATA 7200 rpm	Up to 2TB SATA 7200 rpm	Up to 1TB SATA 7200 rpm, 320GB SED
SSD / Hybrid option	None	None	None	Up to 128GB SSD / Up to 500GB SSHD
Raid	None	None	None	None
Optical drive	Optional	Optional	Optional	Optional
Video ports	1x VGA, 1 x HDMI/DVI-D	1x VGA, 1x HDMI/DVI-D	1x DP, 1x VGA	1x HDMI, 1x VGA
Power supply	EPA Bronze and APFC, 180W	EPA Bronze and APFC, 180W	EPA Bronze and APFC, 180W	EPA Gold, EPA Bronze and APFC
Input / output	6x USB 2.0 (2 front, 4 rear), 2 x USB 3.0 (rear), SD, RJ-45, PS/2, optional Serial, Parallel	6x USB 2.0 (2 front, 4 rear), 2 x USB 3.0 (rear), SD, RJ-45, PS/2, optional Serial, Parallel	4x USB 2.0 (2 front, 4 rear), 2 x USB 3.0 (rear), SD, RJ-45, PS/2, optional Serial, Parallel	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0
Expansion	1x PCIex16, 3x PCIex1	1x PCIex16, 3x PCIex1	1x PCIex16, 2x PCIex1	1x PCIex16, 3x PCIex1
Wireless LAN / wireless connectivity	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n
Physical security	Industry standard lock	Industry standard lock	Industry standard lock	Industry standard lock
Security chips	Optional	Optional	Optional	TPM 1.2
Management	Lenovo Management tool	Lenovo Management tool	Lenovo Management tool	HP Management tool
Mini tower (metric)	378.5 X 160.0 x 391.1mm	416.6 X 172.7 x 421.6mm	400 x 160 x 397mm	183 x 357 x 402mm
Mini tower (US)	14.9 x 6.3 x 15.4in	16.4 x 6.8 x 16.6in	15.74 x 6.29 x 15.62in	7.2 x 14.1 x 15.8in
Launch date	September 2014	September 2014	September 2014	September 2014

Dell Vostro Desktop (Intel®) unique features:

- Front USB 3.0
- Built-in WiFi

3650

3653

Why Dell Vostro Desktop (Intel®):

- PCI slot
- 300W PSU

Why Dell Vostro Desktop (Intel®):

- PCI slot
- 300W PSU

Why Dell Vostro Desktop (Intel®):

- PCI slot
- 300W PSU

Why Dell Vostro Desktop (Intel®):

- PCI slot
- 300W PSU

NEW Vostro Small Desktop (Intel®) (3250/3252)

Compact and rich in features.

Available with Windows 10
Meet the new Vostro Small Desktop (Intel®) redesigned to save space without compromising performance that can grow with your business.

Featuring the latest technology, you gain plenty of storage space in a compact small form factor. These desktops are dependable and built to last while providing you with the service and support you deserve.

		Lenovo Yangtian M2630/4630	HP ProDesk 400 G1 SFF		
3250: Intel® H110 3252: Intel® BSW SOC	**Chipset**	Intel® H81	Intel® H81		
3250: 6th generation Intel® Celeron, Pentium, Core™ i3, i5, i7 3252: 6th generation Intel® Celeron, Pentium	**Processor**	4th generation Intel® Celeron, Pentium, Core™ i5	4th generation Intel® Celeron, Pentium, Core™ i7		
Microsoft® Windows 7, 8.1 & 10, Ubuntu	**Operating system**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu		
3250: Intel® HD, NVIDIA® 3252: Intel® HD, AMD	**Graphics**	Intel® HD, NVIDIA®	Intel® HD, NVIDIA®		
3250: Up to 16 GB DDR3 memory (2 DIMM) 3252: Up to 8 GB DDR3 memory (2 DIMM)	**Memory**	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)		
Up to 2TB SATA 7200 rpm	**Hard drive option**	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 1TB SATA 7200 rpm, 320GB SED		
None	**SSD / Hybrid option**	None	Up to 128GB SSD / Up to 500GB SSHD		
None	**Raid**	None	None		
Optional	**Optical drive**	Optional	Optional		
1x HDMI, 1x VGA	**Video ports**	1x VGA, 1 x HDMI/DVI-D	1x DVI, 1x VGA		
3250: EPA Bronze and APFC, 180W 3252: 65W and 90W adapter	**Power supply**	EPA Bronze and APFC	EPA Bronze and APFC, 240W		
2 External USB 3.0 ports (front) , 4 External USB 2.0 ports (rear), RJ-45, UAJ, Line-out, 3250 only: optional serial/parallel	**Input / output**	4x USB 2.0(2 front, 2 rear), 2 x USB 3.0 (rear), SD, RJ-45, PS/2, optional Serial, Parallel	4x USB 2.0(2 front, 4 rear), SD, RJ-45, optional Serial, Parallel		
3250 only: 1x PCIex16, 3x PCIex1	**Expansion**	1x PCIex16, 3x PCIex1	1x PCIex16, 3x PCIex1		
802.11 a/b/g/n	**Wireless LAN / wireless connectivity**	802.11 a/b/g/n	802.11 a/b/g/n		
Industry standard lock	**Physical security**	Industry standard lock	Industry standard lock		
None	**Security chips**	Optional	TPM 1.2		
HDD Protection SW	**Management**	Lenovo Management tool	HP Mangament tool		
290 x 92.6 x 293mm	**Mini tower (metric)**	388 X 99 x 386mm	380.5 x 99.8 x 336.8mm		
11.4 x 3.7 x 11.6in	**Mini tower (US)**	15.3 x 3.9 x 15.2in	15.0 x 3.9 x 13.3in		
3250: September 2015 3252: August 2015	**Launch date**	September 2014	September 2014		

Dell Vostro Small Desktop (Intel®) unique features:

- Front USB 3.0
- Built-in WiFi

Why Dell Vostro Small Desktop (Intel®):

- PCI slot

Why Dell Vostro Small Desktop (Intel®):

- PCI slot
- USB 3.0

Vostro Desktop (Intel®) (3900/3902)

Highly dependable. Easily expandable.

Available with Windows 10
Our classic Vostro desktop is back! The Vostro desktop with next generation technology, extensive connectivity and flexible support in an expandable mini tower.

You can count on Vostro desktops—they are tested and proven to last with a mean time between failure (MTBF) rate of 500,000 hours. Turn this tower into a full business solution simply by adding a Dell monitor, keyboard and mouse.

	Lenovo Qitian B4550/M4550	Lenovo Yangtian M4600	Lenovo ThinkCentre E73	HP ProDesk 400/490 G1
Intel® H81	**Chipset**	Intel® H81	Intel® H81	Intel® H81	Intel® H81 (HP 400)/Intel® H97 (HP 490)
4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	**Processor**	4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	4th generation Intel® Celeron, Pentium, Core™ i7
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating system**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu
Intel® HD, NVIDIA®, AMD	**Graphics**	Intel® HD, NVIDIA®	Intel® HD, NVIDIA®	Intel® HD, NVIDIA®	Intel® HD, NVIDIA®, AMD
Up to 16 GB DDR3 memory (2 DIMM)	**Memory**	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)/ Up to 32 GB DDR3 memory (4 DIMM)
Up to 2TB SATA 7200 rpm	**Hard drive option**	Up to 2TB SATA 7200 rpm	Up to 2TB SATA 7200 rpm	Up to 2TB SATA 7200 rpm	Up to 1TB SATA 7200 rpm, 320GB SED
None	**SSD / Hybrid option**	None	None	None	Up to 128GB SSD / Up to 500GB SSHD
None	**Raid**	None	None	None	None
Optional	**Optical drive**	Optional	Optional	Optional	Optional
1x HDMI, 1x VGA	**Video ports**	1x VGA, 1 x HDMI/DVI-D	1x VGA, 1x HDMI/DVI-D	1x DP, 1x VGA	1x HDMI, 1x VGA
EPA Bronze and APFC, 300W	**Power supply**	EPA Bronze and APFC, 180W	EPA Bronze and APFC, 180W	EPA Bronze and APFC, 180W	EPA Gold, EPA Bronze and APFC
4 x USB 2.0 (2 front, 2 rear), 2 x USB 3.0 (front), RJ-45, PS/2, Line-out, optional Serial/Parallel, 7-in-1 MCR	**Input / output**	6x USB 2.0 (2 front, 4 rear), 2 x USB 3.0 (rear), SD, RJ-45, PS/2, optional Serial, Parallel	6x USB 2.0 (2 front, 4 rear), 2 x USB 3.0 (rear), SD, RJ-45, PS/2, optional Serial, Parallel	4x USB 2.0 (2 front, 4 rear), 2 x USB 3.0 (rear), SD, RJ-45, PS/2, optional Serial, Parallel	8x USB 2.0, SD, RJ-45, optional Serial, Parallel, PS/2, USB 3.0
1 PCIex16, 2 PCIex1, 1 PCI	**Expansion**	1x PCIex16, 3x PCIex1	1x PCIex16, 3x PCIex1	1x PCIex16, 2x PCIex1	1x PCIex16, 3x PCIex1
802.11 a/b/g/n	**Wireless LAN / wireless connectivity**	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n
Industry standard lock	**Physical security**	Industry standard lock	Industry standard lock	Industry standard lock	Industry standard lock
None	**Security chips**	Optional	Optional	Optional	TPM 1.2
HDD Protection SW	**Management**	Lenovo Management tool	Lenovo Management tool	Lenovo Management tool	HP Management tool
360 x 175 x 436mm	**Mini tower (metric)**	378.5 X 160.0 x 391.1mm	416.6 X 172.7 x 421.6mm	400 x 160 x 397mm	183 x 357 x 402mm
14.17 x 6.89 x 17.18in	**Mini tower (US)**	14.9 x 6.3 x 15.4in	16.4 x 6.8 x 16.6in	15.74 x 6.29 x 15.62in	7.2 x 14.1 x 15.8in
November 2013	**Launch date**	September 2014	September 2014	September 2014	September 2014

Dell Vostro Desktop (Intel®) unique features:

- 4 expansion slots vs. 3 on Lenovo

Why Dell Vostro Desktop (Intel®):

- PCI slot
- 300W PSU

Why Dell Vostro Desktop (Intel®):

- PCI slot
- 300W PSU

Why Dell Vostro Desktop (Intel®):

- PCI slot
- 300W PSU

Why Dell Vostro Desktop (Intel®):

- PCI slot
- 300W PSU

Vostro Desktop (Intel®) (3800)

NEW in US!

Highly dependable. Essential for small business.

Available with Windows 10
Our classic Vostro desktop is back! The Vostro Desktop (Intel®) has next generation technology, extensive connectivity and flexible support in a space-saving slim tower.

You can count on Vostro desktops—they are tested and proven to last with a mean time between failure (MTBF) rate of 500,000 hours. Turn this tower into a full business solution simply by adding a Dell monitor, keyboard and mouse.

		Lenovo Yangtian M2630/4630	HP ProDesk 400 G1 SFF		
Intel® H81	**Chipset**	Intel® H81	Intel® H81		
4th generation Intel® Celeron, Pentium, Core™ i3, i5, i7	**Processor**	4th generation Intel® Celeron, Pentium, Core™ i5	4th generation Intel® Celeron, Pentium, Core™ i7		
Microsoft® Windows 7 & 8.1, Ubuntu	**Operating system**	Microsoft® Windows 7 & 8.1, Ubuntu	Microsoft® Windows 7 & 8.1, Ubuntu		
Intel® HD, NVIDIA®, AMD	**Graphics**	Intel® HD, NVIDIA®	Intel® HD, NVIDIA®		
Up to 16 GB DDR3 memory (2 DIMM)	**Memory**	Up to 16 GB DDR3 memory (2 DIMM)	Up to 16 GB DDR3 memory (2 DIMM)		
Up to 1TB SATA 7200 rpm, 320GB SED	**Hard drive option**	Up to 1TB SATA 7200 rpm, 320GB SED	Up to 1TB SATA 7200 rpm, 320GB SED		
Up to 128GB SSD / Up to 500GB SSHD	**SSD / Hybrid option**	None	Up to 128GB SSD / Up to 500GB SSHD		
None	**Raid**	None	None		
Optional	**Optical drive**	Optional	Optional		
1x HDMI, 1x VGA	**Video ports**	1x VGA, 1 x HDMI/DVI-D	1x DVI, 1x VGA		
EPA Bronze and APFC, 250W	**Power supply**	EPA Bronze and APFC	EPA Bronze and APFC, 240W		
4 x USB 2.0 (2 front, 2 rear), 2 x USB 3.0 (front), RJ-45, PS/2, Line-out, optional Serial/Parallel, 7-in-1 MCR	**Input / output**	4x USB 2.0(2 front, 2 rear), 2 x USB 3.0 (rear), SD, RJ-45, PS/2, optional Serial, Parallel	4x USB 2.0(2 front, 4 rear), SD, RJ-45, optional Serial, Parallel		
1 PCIex16, 2 PCIex1, 1 PCI	**Expansion**	1x PCIex16, 3x PCIex1	1x PCIex16, 3x PCIex1		
802.11 a/b/g/n	**Wireless LAN / wireless connectivity**	802.11 a/b/g/n	802.11 a/b/g/n		
Industry standard lock	**Physical security**	Industry standard lock	Industry standard lock		
None	**Security chips**	Optional	TPM 1.2		
HDD Protection SW	**Management**	Lenovo Management tool	HP Mangament tool		
360 x 102 x 433mm	**Mini tower (metric)**	388 X 99 x 386mm	380.5 x 99.8 x 336.8mm		
14.2 x 4.2 x 17.1in	**Mini tower (US)**	15.3 x 3.9 x 15.2in	15.0 x 3.9 x 13.3in		
November 2013	**Launch date**	September 2014	September 2014		

Dell Vostro Small Desktop (Intel®) unique features:

- PCI slot

Why Dell Vostro Small Desktop (Intel®):

- PCI slot

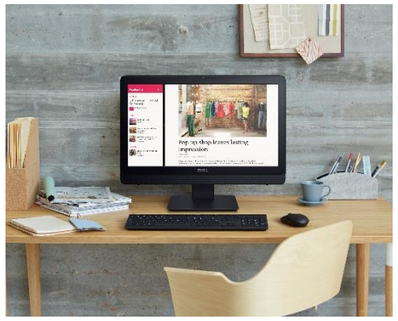
Why Dell Vostro Small Desktop (Intel®):

- PCI slot
- USB 3.0

Vostro 20 3000 Series All-in-One (3052/3055)

Save some space. Save some hassle.

Available with Windows 10
Stay up-to-date with your business and get multicore performance with the latest Vostro 20 3000 Series All-in-One desktop now in a thinner, more space-efficient design.
Essential features and support make the Vostro 20 a versatile fit for your office environment. This space-saving AIO is engineered with a panel that's 50% thinner than the previous generation.



Lenovo C260 All-in-One

NA		Chipset		NA						
19.5" HD+		Display		19.5" HD						
Intel® Braswell CPU: Celeron DC, Celeron QC, Pentium QC		Processor		Intel® Baytrail-D CPU: Celeron DC, Celeron QC,Pentium QC						
Microsoft® Windows 10, Ubuntu		Operating System		Microsoft® Windows 8						
Intel HD, AMD R5 A315(for 3052)| AMD Radeon™ R2 or R4, AMD R5 A330(for 3055)		Graphics		Intel HD						
Up to 8 GB DDR3 memory		Memory		Up to 8 GB DDR3 memory						
NA		Touch option		NA						
500GB and 1TB SATA 7200 rpm		Hard drive option		Up to 1 TB						
NA		SSD / Hybrid option		NA						
NA		Raid		NA						
NA		Optical drive		DVDRW						
1x HDMI Out (3052 only)		Video ports		Optional HDMI out						
external adapter		Power Supply		external adapter						
2x USB 3.0, 2x USB 2.0, SD, RJ-45		Input / output		USB 3.0, 3x USB 2.0, SD, RJ-45						
720p		Webcam		720p						
802.11n WLAN		Wireless LAN		802.11n WLAN						
Bluetooth		Wireless connectivity		Bluetooth						
NA		Physical security		NA						
NA		Security chips		NA						
NA		Management		NA						
480.5 x 34.2 x 317.6mm		Dimensions (WxDxH) no Stand - Metric		Starting at 486 mm x 342 mm x 48 mm						
18.9 x 1.4 x 12.5in		Dimensions (WxDxH) no Stand - US		Starting at 19.1" x 13.5" x 1.9"in						
Pedestal type, VESA		Stands		Easel type, non-VESA						
May, 2015		Launch Date		???						

Dell Vostro 20 3000 Series All-in-One unique features:

- Intel® Braswell processor
- 49% thinner than previous generation
- Small z-height

Why Dell Vostro 20 3000 Series All-in-One :

- More attractive, takes up less space on desktop
- Discrete graphics upsell

Wyse 7000 series (7020)

High performance and versatility

Wyse 7000 series offer a broad range of fast, flexible connectivity options so one can enjoy their favorite peripherals while working with processing-intensive, graphics-rich applications.

Windows ® Embedded Standard and Linux customers can select a standard dual-display model, a quad-digital output model that supports up to six HD digital displays, or an optional legacy connectivity model for serial, parallel and PS/2 connections

	HP t820	Fujitsu FUTRO S920	Lenovo (DevonIT) ThinkCentre M32, M73	Lenovo (DevonIT) CloudTerm TC15
Processor	Intel Core i5 3.0GHz , PC acting as thin client	AMD G-Series GX-415GA 1.50 GHz, Quad Core / AMD Radeon HD 8330E	Intel Celeron 847 (1.1GHz) Dual Core (M32) Intel Celeron G1840T (2.5GHz) (M73) PC acting as thin client	Intel Celeron J1900 Quad-Core 2.00GHz
Operating system	Windows Embedded Standard 7	WES7P, eLux RP (Embedded Linux)	Windows Embedded 7e or LeTOS (linux)	Windows Embedded 7e or LeTOS (linux)
Graphics	integrated	integrated	Intel NM70	
Flash	1Flash or SSD (32GB MLC Max)	2 GB Flash, Up to 8 GB (SLC Technology) 8 GB Flash, Up to 32 GB (MLC Technology)	8GB or 16GB SSD	8GB MSATA SSD (8GB/16GB/32GB options)
Memory	4GB RAM DDR3	2 GB, Up to 4 GB RAM	2GB / 4GB	2 or 4GB DDR3 RAM
Resolution	Up to 16GB RAM DDR3-1600	DisplayPort: 2560 x 1600 DVI, VGA: 1920 x 1200	Up to 2560×1600 at 60hz (VGA) Up to 2560×2048 at 60hz (Display Port)	Up to 2560×1600
Network	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Video ports	Dual-digital display (DP+DP)	1xDVI-I port, 1xDisplayPort,	1 VGA, 1 DspalyPort	DisplayPort , DVI-I x1 (can be split to DVI-D + VGA by cable)
Power	TBD	11.4 Watts	TBD	10 watts
Input / output	6 USB 2.0 + 2 USB 3.0 1 Audio in, 1 Audio out, intern speaker 2x DisplayPort, 1x VGA port	5 x USB 2.0 & 2 x USB 3.0 1xDVI-I port, 1xDisplayPort, integrated VGA can be used with DVI-VGA adapter 1 x line-in, 1 x headphone 1 serial port, 2 PS2	6 x USB 2.0 1 x line-in, 1 x headphone, 2 PS2 4 serial, 1 Parallel (M32)	DisplayPort + DVI-I 5 x USB 2.0 + 1 USB 3.0 2 PS/2 4 Serial Ports, 1 Parallel
Expansion	na	na	na	na
Wireless LAN / wireless connectivity	a/b/g/n 2x2 wireless with Bluetooth option	Optional WLAN Atheros 802.11a/b/g/n		Wifi option
Physical security	Lock slot	Kensington Lock support	Kensington Lock support	na
Security chips	TCG certified TPM chipset + NIST complaint BIOS			na
Management	HP Device Manager	Scout Enterprise	LTM management software	LTM management software
Dimensions	66 x 252 x 254 mm	52 x 195 x x250 mm	220 x 170 x 55 mm	31.5 x 131 x 167mm

Dell Wyse 7000 series unique features:

- Quad core great performance
- Flexible connectivity options
- Scalable management options

7020

Why Dell Wyse 7000 series:

- Quad core great performance
- Quad display support
- Better, more flexible storage support. Supports flash & SSD drives up to 128GB
- External antenna allows for flexible mounting options especially on deployments such as flow carts

Why Dell Wyse 7000 series:

- Quad core great performance
- Quad display support
- More secure with Secure-boot on WE8S and TPM chip
- Scalable Management Options

Why Dell Wyse 7000 series:

- Quad core great performance
- Quad display support
- More secure with Secure-boot on WE8S and TPM chip
- Scalable Management Options

Why Dell Wyse 7000 series:

- Quad core great performance
- Quad display support
- More secure with Secure-boot on WE8S and TPM chip
- Scalable Management Options

Wyse 5000 series (5010 & 5020)

Efficient. Powerful. Compact

The Wyse 5000 series thin client is a highly efficient and powerful endpoint platform for Citrix®, Microsoft®, VMware®, and Wyse vWorkspace virtual desktop environments. It is available as a zero client, a diskless cloud desktop or a thin client with Windows Embedded Standard®, Wyse-enhanced enterprise Linux, or virus-immune Wyse ThinOS.

	HP t520 / t620	Igel UD5 & UD6	Centerm C33 / C92	Fujitsu FUTRO S720
Processor	AMD GX-212JC Dual-core 1.2GHz (t520) AMD GX-415GA Quad-Core APU 1.5 GHz (t620)	UD5: Intel Celeron J1800 dual-core 2.41 GHz – CPU Mark: 1051 UD6: Intel Celeron J1900 quad-core 1.99 GHz – 2.42 GHz, CPU Mark: 1928	Intel D2550 Dual Core 1.86GHz (C33) Intel SoC D-J1900 Quad Core 2.0GHz (C92)	AMD G-Series GX-217GA 1.65 GHz, Dual Core or AMD G-Series GX-222GC 2.20 GHz,/ AMD Radeon HD 8280E
Operating system	WE8S, WES7E, WES7P, HP ThinPro, HP Smart Zero	Igel Linux v5 or WES7	Centerm OS (Linux) and WES7	WES7P, eLux RP (Linux)
Graphics	integrated	integrated	integrated	
Flash	16GB or 32G Flash	2GB/4GB/8GB Flash	8GB Flash	2 GB Flash, Up to 8 GB (SLC Technology) 8 GB Flash, Up to 32 GB (MLC Technology)
Memory	4GB RAM DDR3, up to 8GB	2GB or 4GB RAM DDR3L	2GB RAM	2 GB, Up to 4 GB RAM
Resolution	Up to 2560x1600	Single: 1920 x 1200 Dual: 1920 x 1200	DVI-I: 1920 x 1200	DisplayPort: 2560 x 1600 DVI, VGA: 1920 x 1200
Network	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
Video ports	2 x DisplayPort, 1 x VGA	1 x DisplayPort , 1 x DVI-I port	1 x DVI-I (C33) 1 x DVI-I (+VGA adapt.) 1 x DisplayPort (C92)	1xDVI-I port, 1xDisplayPort,
Power	5.8 Watts (t520), 6.8 Watts (t620)	TBD	14 watts (C33), 10 Watts (C92)	11.4 Watts
Input / output	4 x USB 2.0 + 2 x USB 3.0 2 x DisplayPort, 1 x VGA 1 x RJ45, 1 x microphone, 1 x headphone 1 x serial and 1 x parallel port (t52)	1 x DisplayPort , 1 x DVI-I port (+DVI-VGA-Adapter upon request) 2 x USB 2.0 ports, 2x USB 3.0 Audio mic-in + line-out + internal speaker	6 x USB 2.0 (C33) 5 x USB 2.0+ 1 USB 3.0 (C92) 1 x Serial , 1 x Parallel, 2 x PS/2 (C33) Audio mic-in + line-out	5 x USB 2.0 & 2 x USB 3.0 1xDVI-I port, 1xDisplayPort, integrated VGA can be used with DVI-VGA adapter 1 x line-in, 1 x headphone 1 serial port, 2 PS2
Expansion	T620 OPTION: 2 Serial (mutually exclusive with 1 serial +1 VGA or Fiber SC option)	PCIe	Wireless factory option	na
Wireless LAN / wireless connectivity	a/b/g/n 2x2 wireless with Bluetooth option	NA	Optional, factory built	Optional WLAN Atheros 802.11a/b/g/n
Physical security	Lock slot	Lock slot		Kensington Lock support
Security chips	TPM	tbd	na	na
Management	HP Device Manager	Igel UMS	Centerm CDMS management console	Scout Enterprise
Dimensions	200 x 45.1 x 200 mm (t520) 220 x 40 x 240 mm (t620)	232 x 74 x 225 mm without foot	252 x 204 x 55 mm (C33) 167 x 131 x 31.5 mm (C92)	52 x 195 x x250 mm

5010 / 5020

Dell Wyse 5000 series unique features:

- Quad core great performance
- Small form factor
- Wyse ThinOS operating system option

Why Dell Wyse 5000 series:

- Great performance
- Small form factor
- Wyse ThinOS operating system option

Why Dell Wyse 5000 series :

- More flexibility and performance
- Small form factor
- More OS options including Wyse ThinOS

Why Dell Wyse 5000 series :

- More flexibility and performance
- Small form factor
- More OS options including Wyse ThinOS

Why Dell Wyse 5000 series :

- More flexibility and performance
- Small form factor
- More OS options including Wyse ThinOS

Wyse 5000 series with PCoIP (5030)

Advanced performance. Higher quality..

For virtual desktop or blade PC environments, the Wyse® 5000 series PCoIP zero clients for VMware deliver workstation-level performance. These dedicated hardware PCoIP engines deliver the highest level of display performance available for advanced applications, including CAD, 3D solids modeling, video editing and more.

HP t310	Centerm C71

Teradici TERA2321 PCoIP™		**Processor**		Teradici TERA2321 PCoIP™		Teradici TERA2321 PCoIP™			
Teradici firmware		**Operating system**		Teradici firmware		Teradici firmware			
integrated		**Graphics**		integrated		integrated			
32MB Flash		**Flash**		32MB Flash		32MB Flash			
512MB RAM DDR3		**Memory**		512MB RAM DDR3		512MB RAM DDR3			
DisplayPort: up to 2560 x 1600 DVI-I: up to 1920 x 1200 Dual: up to 1920 x 1200		**Resolution**		1 DVI-D, 1 DVI-I up to 1920x1200 at 60Hz or single digital display at resolutions up to 2560x1600 using a custom DVI dual-link cable		1 DVI-D, 1 DVI-I up to 1920x1200 at 60Hz or single digital display at resolutions up to 2560x1600 using a custom DVI dual-link cable			
Gigabit Ethernet		**Network**		Gigabit Ethernet		Gigabit Ethernet			
1 x DisplayPort , 1 x DVI-I port, DVI to VGA adapt.		**Video ports**		1 x DVI-I, 1 x DVI-D port, DVI to VGA adapt.		1 x DVI-I, 1 x DVI-D port, DVI to VGA adapt.			
Less than 9 watts		**Power**		Less than 9 watts		Less than 9 watts			
4 x USB 2.0 ports 1 x DisplayPort , 1 x DVI-I port, DVI to VGA adapter included, Combo audio, 1 x RJ45		**Input / output**		4 x USB 2.0 ports 1 x DVI-I, 1 x DVI-Dport, DVI to VGA adapter included, Audio mic-in + line-out , 1 x RJ45		4 x USB 2.0 ports 1 x DVI-I, 1 x DVI-Dport, DVI to VGA adapter included, Audio mic-in + line-out , 1 x RJ45			
SFP opton		**Expansion**		SFP opton		na			
N/A		**Wireless LAN / wireless connectivity**		N/A		N/A			
Industry standard lock		**Physical security**		Industry standard lock		Industry standard lock			
N/A		**Security chips**		N/A		N/A			
Teradici console, Wyse WDM,		**Management**		Teradici console,		Teradici console			
29 x 177 x 116 mm		**Dimensions**		152 x 131 x 47 mm		131 x 31.5 x 167 mm			

5030

Dell Wyse 5000 series with PCoIP unique features:

- Truly complete, partner verified end-to-end virtual desktop solution designed to provide an optimal performance/cost ratio
- Better management
- Flexible display support

Why Dell Wyse 5000 series with PCoIP :

- Truly complete, partner verified end-to-end virtual desktop solution designed to provide an optimal performance/cost ratio
- Better management
- Flexible display support

Why Dell Wyse 5000 series with PCoIP :

- Truly complete, partner verified end-to-end virtual desktop solution designed to provide an optimal performance/cost ratio
- Better management
- Flexible display support

Wyse 5000 series AIO (5040)

Ultra-secure. Powerful. Elegant.

The Wyse 5000 series is the first all-in-one (AIO) thin client to operate on the ultra-fast, virus-immune ThinOS. With an unpublished API and encoded with AES disk encryption combined with the power of an AMD G-Series dual core 1.4GHz processor, the 5000 series AIO boots in less than 10 seconds and supports users' most demanding audio and video workloads for Citrix, Microsoft®, VMware and Dell vWorkspace virtual desktop environments.

	HP t410 AIO	HP t310 AIO	Samsung TCxx2W
Display	) 18.5" diagonal WLED backlit display	23.6-inch LED-lit widescreen display	21.5 & 23.6"
Processor	Texas Instruments TMS320DM8148 ARM® CortexTM–A8 (1 GHz, 256 KB L2 cache, 1 core)	Teradici Tera2321 PCoIP	AMD GX222 APU (2.2GHz Dual-core SoC)
Operating system	HP zero (Linux light)	PCoIP	WES7
Graphics	integrated	integrated	integrated
Flash	4GB eMMC	256 MB Flash	32GB SSD
Memory	1 GB RAM DDR3	512 MB RAM	4GB DDR3
Resolution	1366 x 768	Dual: 1920 x 1080	FHD (1920x1080)
Network	10/100/1000 Gigabit Ethernet, 10/100 Ethernet when using Power-over-Ethernet (PoE)	Gigabit Ethernet	Gigabit Ethernet
Video ports	No, no dual display	1x DVI-I video output (1920 x 1080) for dual 1x VGA in (external PC mode)	1 x VGA in, 1 DVI out
Power		22 watts	25 -32 W
Input / output	4 x USB 2.0 1 x RJ45, 1 x microphone, 1 x headphone	6x USB 2.0 ports 2x 1 watt speakers, 1 headphone jack 1x microphone jack.	4 x USB 2.0, 2 x USB 3.0 1 VGA in, 1 DVI out, 1 RJ45 1 microphone,1 headphone
Expansion	na	OPTIONAL: 100 Mbps fiber NIC	
Wireless LAN / wireless connectivity	NA	NA	NA
Physical security			Kensington lock slot
Security chips	na	na	NA
Management	HP Device Manager	Teradici console	MagicRMS Pro
Dimensions	159 x 341 x 449 mm	165 x 398 x 559 mm	504 x 335 x 21 mm

5040

Dell Wyse 5000 series unique features:

- Great performance
- Wyse ThinOS operating system option
- More flexibility
- High quality display

Why Dell Wyse 5000 series AIO:

- Great performance
- Wyse ThinOS operating system option
- Wireless option
- Dual display support
- Built in Webcam

Why Dell Wyse 5000 series AIO :

- Better performance
- Multi protocol, multi environment
- Wyse ThinOS operating system option
- Wireless option
- Built in Webcam

Why Dell Wyse 5000 series AIO:

- Great performance
- Wyse ThinOS operating system option
- Wireless option
- Dual display support
- Built in Webcam

Wyse 3000 series (3010 & 3020)

Efficient. Easy-to-use, Cost-effective.

This easy-to-use family of clients for Citrix®, Microsoft®, VMware® or Wyse vWorkspace environments includes models that are available with virus-immune Wyse ThinOS or Wyse enhanced Ubuntu™ Linux®. All offer vibrant multimedia performance, System-on-Chip (SoC) processors and hands-off Wyse Automated Management capability.

	HP t410 & t420	Igel IZ2 / UD2	NComputing N-series	Lenovo (VXL) Itona K54
Processor	SoC TI DM8148 (t410) AMD GX-209JA SOC 1.0 GHz dual core (t420)	Intel E3815 1.5 GHz (Single-Core)	Numo 3 600MHz SoC	Ti ARM Cortex A9 1GHz
Operating system	HP ThinPro, HP Smart Zero (Linux light) or Windows Embedded Standard 7	Igel Linux v5	Debian Linux	Linux
Graphics	integrated	Integrated Intel HD Graphics		integrated
Flash	4 GB eMMC (t410) Max: 16GB Flash(t420)	2GB Flash	0 Flash	2 GB NAND Flash
Memory	1 GB DDR3 400 MHz SDRAM (t410) 4GB RAM DDR3L SDRAM 1,066 (t420)	2 GB RAM DDR3L	512MB (N400) 1GB RAM (N500)	1 GB DDR3, 1066 MHz
Resolution	Single: 1920 x 1200 Dual: 1920 x 1200*As per HP Quick specs, use of dual display is not recommended on t420	Single: 1920 x 1200 Dual: 1920 x 1200	Single: 1920 x 1080 Dual; 1920 x 1200 (N500)	1920x1080
Network	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet b/g/n wireless option (N500)	Fast Ethernet 10/100
Video ports	1 VGA, 1 DisplayPort 1.1a (t410) 1x DVI-D + 1x VGA (t420)	1x DVI-D + 1x DVI-D	1 x DVI	1 x DVI (+VGA adapt.)
Power	TBD	5 W Idle / 1 W Sleep Mode	5 watts	5 watts
Input / output	1x DVI-D + 1x VGA 4 x USB 2.0 ports, RJ 45 Composite audio (t420)	1x DVI-D + 1x DVI-D 3 x USB 2.0 ports, 1x USB 3.0 Audio mic-in + line-out + internal speaker	1 x DVI 4 x USB 2.0 Audio mic-in + line-out	1 x DVI (+VGA adapt.) 4 x USB 2.0 1x SD card slot Audio mic-in + line-out
Expansion	na			
Wireless LAN / wireless connectivity	a/b/g/n 2x2 wireless with Bluetooth (t420 only)		na	Internal Wireless LAN (Factory upgradable)
Physical security		Kensington lock slot	Security slot	Kensington Security Slot
Security chips	na			
Management	HP Device Manager	Igel Universal Management Suite (UMS)	vSpace management Center	XLmanage management software (VXL)
Dimensions	32 x 185 x 148 mm (t410) 35 x 180 x 140 mm (t420)	200 x 48 x 182 mm	156 x 130 x 37 mm	174 x 120 x 25 mm

3010 3020

Dell Wyse 3000 series unique features:

- Wyse ThinOS operating system has zero attack surface making it the only virus and malware immune thin client OS
- Better performance
- More secure
- More compact and efficient
- Flexible and scalable management

Why Dell Wyse 3000 series:

- Virus immune ThinOS
- Fast boot
- Dual display support

Why Dell Wyse 3000 series :

- Virus immune ThinOS
- Fast boot
- More management options

Why Dell Wyse 3000 series:

- Virus immune ThinOS
- Fast boot
- Better performance
- Dual display support

Why Dell Wyse 3000 series:

- Virus immune ThinOS
- Fast boot
- Better performance
- Dual display support

Wyse 3000 series (3010 & 3020)

Efficient. Easy-to-use, Cost-effective.

This easy-to-use family of clients for Citrix®, Microsoft®, VMware® or Wyse vWorkspace environments includes models that are available with virus-immune Wyse ThinOS or Wyse enhanced Ubuntu™ Linux®. All offer vibrant multimedia performance, System-on-Chip (SoC) processors and hands-off Wyse Automated Management capability.

Centerm GM810 / C13	Init i20x / i0x

PXA 510 v7 1GHz (3010) Dual core PXA 2128 1.2 GHz (3020)	**Processor**	Ti ARM Cortex A9 1GHz	PXA166 800MHz (i20x) Ti ARM Cortex A9 1GHz (i0x)	
Wyse ThinOS, ThinOS lite & Linux	**Operating system**	Centerm Linux OS	InOS (Linux based	
integrated	**Graphics**			
0MB flash (3010) 4GB Flash (3020	**Flash**	512MB (GM810) 4GB EMMC (C13)	256MB Flash (i20x) 512MB (i0x)	
1GB / 2GB RAM	**Memory**	512MB RAM	256MB RAM (i20x) 512MB RAM (i0x)	
Single: 1920 x 1200 Dual: 1920 x 1200	**Resolution**	1920 x 1200	1440 x 900 (i20x) 1920 x 1200 (i0x)	
Gigabit Ethernet	**Network**	Gigabit Ethernet (GM810) Fast Ethernet (C13)	Fast Ethernet (i10x) Gigabit Ethernet (i0x)	
2x DVI (3020) or 1x DVI (3010) + VGA adapt.	**Video ports**	1 x DVI (+VGA adapt.) GM810 1 x VGA (C13)	1 x DVI (+VGA adapt.)	
Less than 10 watts	**Power**	6 Watts (GM810) – 3.3 Watts (C13)	3.5 Watts	
2x DVI (3020) or 1x DVI (3010) + VGA adapt. 4x USB 2.0 1 x SD card slot (3010 linux) RJ-45, Line-out, Composite audio (3020)	**Input / output**	1 x DVI (+VGA adapt.) 5 USB 2.0 (GM810) – 4 x USB 2.à (C13) Audio mic-in + line-out	1 x DVI (+VGA adapt.) 3 USB – 1 serial (i20x) 4 x USB (i0x) Audio mic-in + line-out	
na	**Expansion**	na		
802.11 a/b/g/n (3030)* availability varies by region	**Wireless LAN / wireless connectivity**	USB dongle	na	
Industry standard lock	**Physical security**	Kensington lock slot		
na	**Security chips**	na		
Automated management, Wyse WDM, Wyse CCM	**Management**	Centerm CDMS management console	Init CDMS	
35 x 210 x 176 mm	**Dimensions**	156 x 130 x 37 mm (GM810) 93.5 x 93.5 x 20.4 mm (C13)	156 x 130 x 37 mm	

3010 3020

Dell Wyse 3000 series unique features:

- Wyse ThinOS operating system has zero attack surface making it the only virus and malware immune thin client OS
- Better performance
- More secure
- More compact and efficient
- Flexible and scalable management

Why Dell Wyse 3000 series:

- Virus immune ThinOS
- Fast boot
- Better performance
- Dual display support

Why Dell Wyse 3000 series :

- Virus immune ThinOS
- Fast boot
- More management options

Wyse 3000 series Intel-based (3030)

Powerful. Flexible. Affordable

A dual-core Intel® 1.6GHz processor, an integrated graphics engine and multiple connectivity choices combined for an excellent virtual desktop solution capable of delivering a rich graphics and multimedia experience.

HP t420		Igel IZ3 / UD3	Fujitsu FUTRO S520	Lenovo (VXL) Md series
Intel Celeron N2807 1.6 GHz dual core	**Processor**	AMD GX-209JA SOC 1.0 GHz dual core	VIA Eden X2 dual core 1GHz (IZ3/UD3)	AMD G-Series GX-212ZC 1.20 GHz, Dual Core / AMD Radeon R1E	VIA Eden U4200 1 GHz Dual Core
Windows Embedded Standard 7	**Operating system**	HP ThinPro, HP Smart Zero (Linux light) or Windows Embedded Standard 7	Igel Linux v5 or WES7	WES7P, eLux RP – Embedded Linux	Md26 (WES2009), Md27 (WES7) Md54 (GIO Linux
integrated	**Graphics**	integrated	Integrated VIA ChromotionHD 2.0		
Standard: 16GB Max: 32 GB Flash	**Flash**	Max: 16GB Flash(t420)	2GB/4GB/8GB Flash	4 GB Flash (Linux) , Up to 16 GB (WES7P)	8GB Flash
Standard: 4 GB RAM, Max: 8 GB RAM	**Memory**	4GB RAM DDR3L SDRAM 1,066 (t420)	1GB or 2GB RAM DDR3L	2 GB, Up to 4 GB	2 or 4 GB RAM
Single: 1920 x 1200 Dual: 1920 x 1200	**Resolution**	Single: 1920 x 1200 Dual: 1920 x 1200*As per HP Quick specs, use of dual display is not recommended	Single: 1920 x 1200 Dual: 1920 x 1200	1920 x 1200	DisplayPort : 2048 x 1536 DVI-I : 1920 x 1200
Gigabit Ethernet	**Network**	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet	Gigabit Ethernet
2x DVI + VGA adapt.	**Video ports**	1x DVI-D + 1x VGA (t420)	1 x DVI-I, 1 x DVI-D	1 x DVI-I, 1 x DVI-D	1 x DVI + 1 DisplayPort
Less than 6 watts	**Power**	Less than 6 watss	11 W Idle / 1 W Sleep Mode	7.94W on average	Less than 11 watts
1x DVI-I 1x DVI –D + VGA adapt. 3 x USB 2.0 ports, 1 x USB 3.0 port Optional serial port, Composite audio	**Input / output**	1x DVI-D + 1x VGA 4 x USB 2.0 ports, RJ 45 Composite audio (t420)	1 x DVI-I, 1 x DVI-D (+DVI-VGA-Adapter upon request) 2 x USB 2.0 ports, 2x USB 3.0 Audio mic-in + line-out + internal speaker	1x DVI-I and 1x DVI-D; integrated VGA can be used with optional DVI-VGA adapter 2 x USB 2.0, 2 x USB 3.0 1 x Front audio: line-in / microphone 1 x Front audio: headphone	1 x DVI + 1 DisplayPort 6 x USB 2.0 ports + 2 in a secure shell 2 x serial port, 1 x Parallel port, 2 x PS/2 Optional parallel port
na	**Expansion**	na	connectivity bar option for wireless support	na	Optional: serial port, smart card reader
802.11 a/b/g/n wireless with Bluetooth – Intel7260	**Wireless LAN / wireless connectivity**	a/b/g/n 2x2 wireless with Bluetooth	NA	Optional WLAN Atheros 802.11a/b/g/n Intel Dual Band Wireless-AC 7260	Mini PCIe WLAN with external antenna
Industry standard lock	**Physical security**	Kensington Lock support			Kensington Lock support
na	**Security chips**	na	na	na	
Wyse WDM, Wyse CCM and support for SCCM	**Management**	HP Device Manager	Igel UMS	Scout Enterprise	XLmanage client management software
29 x 187 x 117 mm	**Dimensions**	35 x 180 x 140 mm (t420)	210 x 69 x 207 mm	43 x 174 x 170 mm	222 x 201 x 56 mm

Dell Wyse 3000 series unique features:

- Great performance
- Dual digital display
- Flexible option

3030

Why Dell Wyse 3000 series:

- Dual display support
- Better performance
- USB 3.0 interface

Why Dell Wyse 3000 series :

- Better performance
- More compact and efficient
- Management flexibility

Why Dell Wyse 3000 series :

- Better performance
- More compact and efficient
- Management flexibility

Why Dell Wyse 3000 series :

- Better performance
- More compact and efficient
- Management flexibility

Wyse 1000 series

Affordable computing for classrooms everywhere!

Wyse 1000 series entry-level zero clients help schools give students efficient, flexible and accessible Windows® 7 desktops by maximizing the potential of shared computing with Windows MultiPoint Server 2011 and 2012. The result? A truly affordable alternative to the costly classroom PC. It's easy to deploy and simple to set up and it's the only one in its class, capable of supporting USB peripherals like webcams and flash drives.

.

	Ncomputing M300	Ncomputing L300 / L350	Centerm D75
Processor	SoC ARM 333 MHz	SoC ARM 333 MHz	Integrated chipset
Server Operating system	NComputing vSpace server	NComputing vSpace server	Microsoft Windows MultiPoint Server WMS 2012, Userful
OS	Proprietary Linux-based firmware with UXP NComputing proprietary protocol	Proprietary Linux-based firmware with UXP NComputing proprietary protocol	Zero client firmware for Microsoft MultiPoint Server
Flash	? Flash	? Flash	na
Memory	? SDRAM	? SDRAM	na
Resolution	From 800x600 to 1440x900	1920 x 1080	VGA：2048x1152 HDMI：1920X1080
Network	Primary: Fast Ethernet 10/100 Satellite: Direct Ethernet & USB	Fast Ethernet	Gigabit Ethernet
Video ports	1 VGA	1x VGA (L300) 1x DVI-D (L350)	1 x VGA, optional HDMI
Power	6 watts	5 W Idle	3.3 watts
Input / output	1x VGA 3 x USB 2.0	1x VGA 2 x USB 2.0 ports, 2x USB 1.1 (L300) 4x USB 2.0 (L350) Audio mic-in + line-out	1 VGA 4 x USB 2.0 RJ-45, Line-out, Mic out
Expansion	na	na	na
Wireless LAN / wireless connectivity	Not supported	Not supported	Not supported
Physical security		na	na
Security chips	na		na
Management	NComputing vSpace server	NComputing vSpace server	Not required
Dimensions	Primary client 160 x 120)x 35 mm Satellite client: 120 x 99 x 33 mm	115 x 115 x 30 mm	93.5 x 93.5 x 20.4mm

1010

Dell Wyse 1000 series unique features:

- Works with standard protocols
- Designed and fully certified for Microsoft MultiPoint Server
- Complete, partner-verified end-to-end solutions from the datacenter to the end user device

Why Dell Wyse 1000 series:

- More secure than Linux firmware with no management software required
- Works with standard protocols

Why Dell Wyse 1000 series :

- More secure than Linux firmware with no management software required
- Works with standard protocols

Why Dell Wyse 1000 series:

- Complete, partner-verified end-to-end solutions from the datacenter to the end user device