



# Precision 7960 Rack

Be more productive,  
as you power your purpose.

Dell Technologies is the world's number one workstation company\*

# Precision 7960 Rack



## Intelligent performance

Up to (2) Intel® Xeon® 350W, 56 cores processors, (2) AMD or NVIDIA 300W graphics, 128TB storage (8) M.2, (7) PCIe Gen 4/5 slots, up to 8TB of 4800MHz (DDR5) memory

Dell Optimizer for Precision

## User experience

Front accessible and lockable storage  
Optical Disk Drive optional  
Fast network speeds (1G, 10G, 25G)  
USB 3.2 Type A ports

## Mission critical reliability and security

ISV Certifications  
ECC memory  
Advanced thermals  
TPM 2.0, lockable chassis with intrusion detection, self encrypting drives

# Dell Optimizer for Precision

Dell Optimizer is our AI-based optimization software that learns and responds to the way you work, designed to automatically improve application and device performance, PC and accessory battery run-time, audio/video settings and privacy – all in the background while you're working.



## Boost productivity up to 28% on routine tasks<sup>1</sup>

Application Optimization analyzes how you use your preferred apps to increase performance, helping you handle tasks efficiently.

## Get up to 18% in power savings<sup>2</sup>

Save energy without sacrificing performance for ultimate efficiency with Power Optimization. Achieve power savings when you set your PC to Quiet Mode on your thermal management settings – giving you up to 2.4 watts of power savings compared to default mode.\*

## Experience 2x faster network performance<sup>1</sup>

Network Optimization provides the world's first simultaneous multi-network connection for faster data and video downloads<sup>3</sup>, and joins the best network<sup>4</sup> available.

## Access personalized insights

Our Analytics feature monitors the utilization of your PC by analyzing your system's battery, storage, CPU, and memory behavior to review your system's reliability and problem history.

## Enhanced audio

Intelligent Audio senses your surroundings and improves the conferencing experience by removing unwanted sounds, alerts you when your voice quality is poor, and provides a better collaboration experience for you and all call participants.

## An intelligent ecosystem

Enjoy easy pairing and management of your Dell monitors and accessories with the integration of Dell Display Manager and Dell Peripheral Manager.

▶ Click here to learn more about Dell Optimizer

1. Based on A Principled Technologies Report that ran PC performance benchmarks on Dell Latitude 9430 laptops and OptiPlex 7400 all-in-one desktop PCs: Improve PC app performance, battery charging, and end-user experiences with Dell Optimizer, June 2023

2. This is based on a Dell internal study, testing power and performance within our Dell Optimizer power module. White paper published November 2022 <https://www.delltechnologies.com/asset/en-us/solutions/business-solutions/industry-market/maximizing-power-efficiency-with-dell-optimizer-a-case-study.pdf>

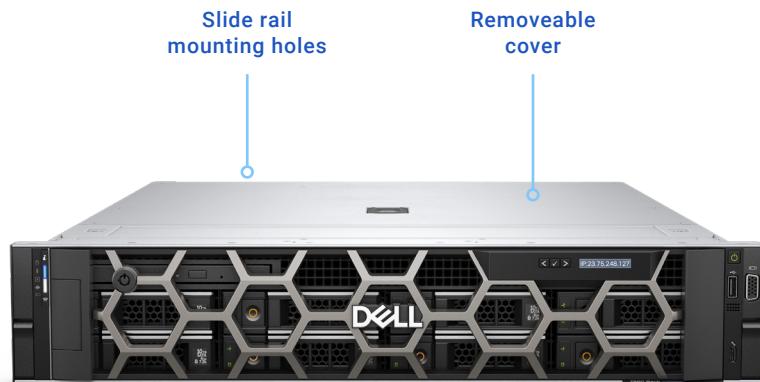
3. Best network selection based on signal strength, channel congestion, router type and others. Network suggestions based on user credentials.

4. Best network selection based on signal strength, channel congestion, router type and others. Network suggestions based on user credentials.

\*Based on Dell internal analysis, September 2022. Not all features available with all PCs. Additional purchase required for some features.

# An ultra scalable 2U rack workstation

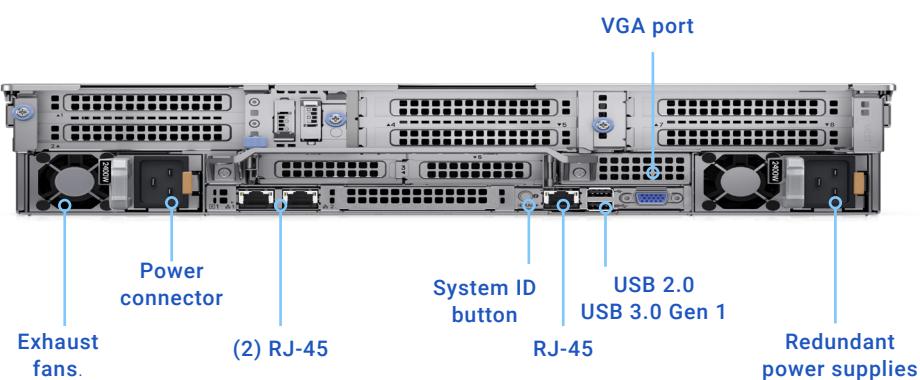
Be productive from almost anywhere with a powerful, secured access rack based solution that keeps your intellectual property safely in the data center.



## ISV Certifications

TPM 2.0, lockable chassis  
with intrusion detection,  
self encrypting drives

Secure remote access with Teradici PCoIP  
dual and quad display remote workstation  
cards and Amulet Hotkey dual and quad  
display Zero Clients





# Sustainability on Dell Precision 7960 Rack

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## Built with sustainable materials

This Precision workstation incorporates up to 41% post-consumer recycled plastic content in its construction, including closed-loop plastic.\*\*

## Packaging innovation

Ships in packaging made with at least 95.8% recycled or renewable content.\*

## Environmental Certifications & Registrations

Meeting the following environmental standards helps customers trust our sustainability efforts and see how our products adhere to energy-efficiency specifications and other climate-related standards.

See how we are reducing the impact of our products and solutions  
[Dell.com/Sustainable-Devices](https://www.dell.com/Sustainable-Devices)

\*48.3 % recycled content and 47.5% renewable materials in the form of sustainably sourced fibers. Percentages may vary slightly by region. Excludes optional items added to order and included in box.

\*\*Based on internal analysis, November 2023. Percentage based on plastic weight.

# Recommended Accessories



**Dell UltraSharp 32 HDR  
PremierColor Monitor - UP3221Q**

Create phenomenal 4K HDR content on the world's first professional monitor with 2K mini-LED direct backlit dimming zones.\*



**Dell Ultrasharp 27 Monitor - U2722D (x2)**

Elevate your productivity on this innovative 27-inch QHD Hub monitor with a wide color coverage including DCI-P3. Features ComfortView Plus an always-on built-in low blue light screen, USB-C with up to 90W power delivery, and RJ45 connectivity.



**Dell Premier Multi-Device Wireless  
Keyboard and Mouse - KM7321W**

Multi-task seamlessly across 3 devices with this premium full-size keyboard and sculpted mouse combo featuring programmable shortcuts and 36 months battery life.



**Dell Speakerphone SP3022**

Experience rich, clear sound with the intelligent, Microsoft Teams-certified speakerphone.\*\*



**3Dconnexion SpaceMouse Pro  
Wireless - 3DX-700075**

SpaceMouse® Pro Wireless offers professional 3D navigation, advanced ergonomic design, reliable connectivity with a high performance Universal Receiver and much more with up to two months of battery life.

▶ Click to see 3D Viewer

\*Based on Dell analysis of publicly available data, July 2020.

\*\*Based on Dell analysis comparing against competitive personal conferencing speakerphones, September 2021.

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER <sup>1</sup>	Precision 7960 Rack
CHIPSET	Intel C741
PROCESSOR OPTIONS <sup>1</sup>	<p>Intel® Xeon® Silver 4410Y, 30MB cache, 12 cores, 24 threads, 2.0GHz to 3.9GHz Turbo, 150W</p> <p>Intel® Xeon® Gold 5415+, 23MB cache, 8 cores, 16 threads, 2.9GHz to 4.1GHz Turbo, 150W</p> <p>Intel® Xeon® Silver 4416+, 38MB cache, 20 cores, 40 threads, 2.0GHz to 3.9GHz Turbo, 165W</p> <p>Intel® Xeon® Gold 5418Y, 45MB Cache, 24 cores, 48 threads, 2.0GHz to 3.8GHz Turbo, 185W Intel® Xeon® Gold 5420+, 53MB cache, 28 cores, 56 threads, 2.0GHz to 4.1GHz Turbo, 205W</p> <p>Intel® Xeon® Gold 6430, 60MB cache, 32 cores, 64 threads, 2.1GHz to 3.4GHz Turbo, 270W</p> <p>Intel® Xeon® Gold 6434, 23MB cache, 8 cores, 16 threads, 3.7 GHz to 4.1GHz Turbo, 195W</p> <p>Intel® Xeon® Gold 6426Y, 8MB cache, 16 cores, 32 threads, 2.6GHz to 4.0GHz Turbo, 225W</p> <p>Intel® Xeon® Gold 6442Y, 60MB cache, 24 cores, 48 threads, 2.5GHz to 4.0GHz Turbo, 185W</p> <p>Intel® Xeon® Gold 6448Y, 60MB cache, 32 cores, 64 threads, 2.1GHz to 4.1GHz Turbo, 225W</p> <p>Intel® Xeon® Gold 6444Y, 45MB cache, 16 cores, 32 threads, 3.6GHz to 4.0GHz Turbo, 270W</p> <p>Intel® Xeon® Platinum 8452Y, 68MB cache, 36 cores, 72 threads, 2.0GHz to 3.2GHz Turbo, 300W</p> <p>Intel® Xeon® Platinum 8460Y, 105MB cache, 40 cores, 80 threads, 2.0GHz to 3.7GHz Turbo, 300W</p> <p>Intel® Xeon® Platinum 8462Y, 60MB cache, 32 cores, 64 threads, 2.8GHz to 4.1GHz Turbo, 300W</p> <p>Intel® Xeon® Platinum 8468, 105MB cache, 48 cores, 96 threads, 2.1GHz to 3.8GHz Turbo, 350W</p> <p>Intel® Xeon® Platinum 8470, 105MB cache, 52 cores, 104 threads, 2.0GHz to 3.8GHz Turbo, 350W</p> <p>Intel® Xeon® Platinum 8480+, 105MB cache, 56 cores, 112 threads, 2.0GHz to 3.8GHz Turbo, 350W</p>
OPERATING SYSTEM <sup>1</sup>	Windows 11 for Workstations Ubuntu® 22.04, 64-bit Red Hat® Linux® 8.6 Enterprise WS
MEMORY OPTIONS <sup>1,2,3</sup>	<p>16GB, 1 x 16GB, DDR5, 4800MHz ECC</p> <p>32GB, 1 x 32GB, DDR5, 4800MHz ECC</p> <p>32GB, 2 x 16GB, DDR5, 4800MHz ECC</p> <p>64GB, 1 x 64GB, DDR5, 4800MHz ECC</p> <p>64GB, 2 x 32GB, DDR5, 4800MHz ECC</p> <p>64GB, 4 x 16GB, DDR5, 4800MHz ECC</p> <p>96GB, 6 x 16GB, DDR5, 4800MHz ECC</p> <p>128GB, 1 x 128GB, DDR5, 4800MHz ECC</p> <p>128GB, 2 x 64GB, DDR5, 4800MHz ECC</p> <p>128GB, 4 x 32GB, DDR5, 4800MHz ECC</p> <p>128GB, 8 x 16GB, DDR5, 4800MHz ECC</p> <p>192GB, 6 x 32GB, DDR5, 4800MHz ECC</p> <p>192GB, 12 x 16GB, DDR5, 4800MHz ECC</p> <p>256GB, 1 x 256GB, DDR5, 4800MHz, ECC</p> <p>256GB, 2 x 128GB, DDR5, 4800MHz,ECC</p> <p>256GB, 4 x 64GB, DDR5, 4800MHz ECC</p> <p>256GB, 8 x 32GB, DDR5, 4800MHz ECC</p> <p>256GB, 16 x 16GB, DDR5, 4800MHz ECC</p> <p>384GB, 6 x 64GB, DDR5, 4800MHz ECC</p> <p>384GB, 12 x 32GB, DDR5, 4800MHz ECC</p> <p>384GB, 24 x 16GB, DDR5, 4800MHz ECC</p> <p>512GB, 2 x 256GB, DDR5, 4800MHz, ECC</p> <p>512GB, 4 x 128GB, DDR5, 4800MHz,ECC</p> <p>512GB, 8 x 64GB, DDR5, 4800MHz ECC</p> <p>512GB, 16 x 32GB, DDR5, 4800MHz ECC</p> <p>512GB, 32 x 16GB, DDR5, 4800MHz ECC</p> <p>768GB, 6 x 128GB, DDR5, 4800MHz ECC</p> <p>768GB, 12 x 64GB, DDR5, 4800MHz ECC</p> <p>768GB, 24 x 32GB, DDR5, 4800MHz ECC</p> <p>1 TB 4x 256GB, DDR5, 4800MHz,ECC</p> <p>1 TB, 8 x 128GB, DDR5, 4800MHz,ECC</p> <p>1 TB, 16 x 64GB, DDR5, 4800MHz ECC</p> <p>1 TB, 32 x 32GB, DDR5, 4800MHz ECC</p> <p>1.5 TB, 6 x 256GB, DDR5, 4800MHz, ECC</p> <p>1.5 TB, 12 x 128GB, DDR5, 4800MHz ECC</p> <p>1.5 TB, 24 x 64GB, DDR5, 4800MHz ECC</p> <p>2 TB 8 x 256GB, DDR5, 4800MHz ECC</p> <p>2 TB 16 x 128GB, DDR5, 4800MHz ECC</p> <p>2 TB, 32 x 64GB, DDR5, 4800MHz ECC</p> <p>3 TB, 12 x 256GB, DDR5, 4800MHz,ECC</p> <p>3 TB, 24 x 128GB, DDR5, 4800MHz ECC</p> <p>4 TB, 16 x 256GB, DDR5, 4800MHz ECC</p> <p>4 TB, 32 x 128GB, DDR5, 4800MHz ECC</p> <p>6 TB, 24 x 256GB, DDR5, 4800MHz ECC</p> <p>8 TB, 32 x 256GB, DDR5, 4800MHz ECC</p>
GRAPHICS	<p>Up to 2x Double wide graphics cards in PCIe Gen 5 slots – requires dual CPU system with 1400/2400W PSU</p> <p><b>NVIDIA:</b></p> <p>NVIDIA® RTX™ 6000 ADA 48GB GDDR6</p> <p>NVIDIA® RTX™ A6000, 48GB GDDR6</p> <p>NVIDIA® RTX™ A5500, 24GB GDDR6</p> <p>NVIDIA® RTX™ A4500, 20GB GDDR6</p> <p>NVIDIA® RTX™ A4000, 16GB GDDR6</p> <p>NVIDIA® RTX™ A2000, 12GB GDDR6</p> <p>NVIDIA® T1000 LP/FH, 8GB GDDR6</p> <p>NVIDIA® T400 LP/FH, 4GB GDDR6</p> <p><b>AMD:</b></p> <p>AMD Radeon™ W6400 LP/FH, 4GB GDDR6</p>

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER <sup>1</sup>	Precision 7960 Rack
STORAGE OPTIONS <sup>1,5</sup>	<p>Support for up to (8) 2.5" or 3.5" SATA/SAS drives, up to 8x M.2 NVMe PCIe SSDs</p> <p>PERC H755 motherboard PCIe HW RAID controller required for SAS drive support</p> <p>M.2 NVMe PCIe SSDs</p> <p>Up to 8x 4TB drives on 2x Dell Precision Ultra-Speed Drive Quad x16 PCIe cards.</p> <p>*Requires dual CPU config and graphics card in low profile riser slot</p>
BOOT DRIVES <sup>1,5</sup>	<p>Boot from Dell Ultra Speed Drive Quad or Duo PCIe card</p> <p>M.2 2280, 512GB, PCIe NVMe Gen4 x4, SSD, Class 40</p> <p>M.2 2280, 1TB, PCIe NVMe Gen4 x4, SSD, Class 40</p> <p>M.2 2280, 2TB, PCIe NVMe Gen4 x4, SSD, Class 40</p> <p>M.2 2280, 4TB, PCIe NVMe Gen4 x4, SSD, Class 40</p>
DATA DRIVES <sup>1,5</sup>	<p>2.5-inch, 600GB, 15,000RPM, SAS, Enterprise HDD</p> <p>2.5-inch, 1.2TB, 10,000RPM, SAS, Enterprise HDD</p> <p>2.5-inch, 2.4TB, 10,000RPM, SAS, Enterprise HDD</p> <p>3.5-inch, 2TB, 7200RPM, SATA, Enterprise HDD</p> <p>3.5-inch, 4TB, 7200RPM, SATA, Enterprise HDD</p> <p>3.5-inch, 8TB, 7200RPM, SATA, Enterprise HDD</p> <p>3.5-inch, 12TB, 7200RPM, SATA, Enterprise HDD</p> <p>2.5-inch, 1.92TB, MU, SATA, Enterprise SSD</p>
STORAGE CONTROLLERS	<p>Integrated: 2x Intel chipset 6Gb/s SATA controllers with 4 ports each (total 8) for SATA HDD/SSD. 1 port for optical drive</p> <p>Intel vROC SW SATA RAID 0,1,5,10 supported across 4 SATA ports on 1st controller only. (Maximum 4 drives in RAIDset)</p> <p>Optional Intel vROC Standard SW NVMe RAID 0,1,10 option (motherboard activation key) for M.2 NVMe PCIe SSDs on 1st Dell Ultra-Speed Drive Quad x16 or Duo x8 card (0,1).</p> <p>Optional Intel vROC Premium SW NVMe RAID 0,1,5,10 option (motherboard activation key) for M.2 NVMe PCIe SSDs on 1st Dell Ultra-Speed Drive Quad x16 or Duo x8 card (0,1).</p> <p>Optional PERC H755P SATA/SAS Motherboard Hardware RAID</p> <p>PCIe controller with 8GB cache (battery backup), RAID 0/1/5/10 (no JBOD with SATA drives)</p>
PRODUCTIVITY SOFTWARE <sup>1</sup>	<p>Microsoft Office Home and Business Commercial</p> <p>Microsoft Office 2021 Professional Commercial</p> <p>Dell Optimizer for Precision</p>
SECURITY SOFTWARE	<p>McAfee® Small Business Security 30-day free trial</p> <p>McAfee® Small Business Security 12-month subscription</p> <p>McAfee® Small Business Security 36-month subscription</p> <p>Dell Encryption Personal</p> <p>Dell Encryption Enterprise</p>
ADD-IN CARDS	<p>Dell Precision Ultra-Speed Drive Quad (x16) and Duo (x8) low profile</p> <p>PCIe cards support M.2 NVMe drives with active cooling up to 2 and 4 NVMe drives respectively</p> <p>Dual display (full height and low profile) PCoIP remote workstation PCIe cards</p> <p>Quad display (full height) PCoIP remote workstation PCIe cards</p> <p>Serial port (full height, low profile) PCIe card - single port</p>
SECURITY OPTIONS	<p>Trusted Platform Module (TPM 2.0); Setup/BIOS Password, I/O Interface Security, lockable top cover and lockable front bezel,</p> <p>Dell Encryption Enterprise</p>
WARRANTY <sup>9,10</sup>	<p>3-year Basic warranty with hardware service with on-site/in-home service after remote diagnosis</p> <p>4-year Basic warranty with hardware service with on-site/in-home service after remote diagnosis</p> <p>5-year Basic warranty with hardware service with on-site/in-home service after remote diagnosis</p> <p>3-year ProSupport with Next Business Day on-site service</p> <p>4-year ProSupport with Next Business Day on-site service</p> <p>5-year ProSupport with Next Business Day on-site service</p> <p>3-year ProSupport Plus for Client with Next Business Day on-site service</p> <p>4-year ProSupport Plus for Client with Next Business Day on-site service</p> <p>5-year ProSupport Plus for Client with Next Business Day on-site service</p>
ACCIDENTAL DAMAGE SERVICES	<p>3-year Accidental Damage Service</p> <p>4-year Accidental Damage Service</p> <p>5-year Accidental Damage Service</p>
POTS SLOTS AND CHASSIS	<p>Front Ports:</p> <p>iDRAC Direct port (1x Micro USB 2.0)</p> <p>USB 2.0 port</p> <p>VGA Port intended for IDRAC use</p> <p>Rear Ports:</p> <p>USB 2.0 port</p> <p>USB 3.0 Gen1 port</p> <p>iDRAC Enterprise Dedicated Network connector</p> <p>VGA port intended for IDRAC use</p> <p>(2) RJ45 Ethernet ports 1GbE LOM standard and one of three OCP3 NIC cards options in dedicated slot)</p> <p>(4) RJ45 Ethernet ports 1GbE (OCP3 card option)</p> <p>(4) RJ45 Ethernet ports 10GbE (OCP3 card option)</p> <p>(4) 10/25GbE SFP28 ports (OCP3 card option)</p> <p>Slots:</p> <p>7 Slots in riser cards with Dual CPUs</p> <p>Single CPU has 1x Gen 4 x16 (FH/FL) slot, 1x Gen 5 x16 (FH/FL) slot, 1x Gen 4 x16 low profile (FL) slot (Reserved primarily for NVMe boot with Dell Ultra-Speed Duo x8 LP PCIe card)</p> <p>Dual CPU has above slots plus 1x Gen 5 x16 double width slot, 2x Gen 4 x8 FH/HL slots, 1 Gen 4 x16 low profile (FL) slot</p> <p>Up to 2x dual or single width graphics cards with dual CPUs.</p>
OPTICAL DRIVE	<p>8x DVD-ROM 9.5mm optical drive</p> <p>8x DVD+/-RW 9.5mm optical drive</p>

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER <sup>1</sup>	Precision 7960 Rack
CHASSIS	<p>U.S.            Height: 3.39in            Width (front): 18.98in.            Width (rear): 17.08in.            Depth with bezel: 30.4in.</p> <p>Weight:            Maximum: 65.36lbs.            Minimum: 46.25lbs.</p> <p>Rest of the world            Height: 86.8mm            Width (front): 482mm            Width (rear): 434mm            Depth with bezel: 772.13mm</p> <p>Weight:            Maximum: 29.64kg            Minimum: 20.98kg</p>
POWER SUPPLIES	<p>One or two redundant, hot pluggable 800W (Platinum), 1100W (Titanium) and 1400W (120V) / 2400W (240V) (Platinum) power supplies.</p> <p>Note: Dual non-redundant PSUs are often needed to provide sufficient power for richer CPU/GPU configurations at a given PSU power level. The 1400W/2400W PSUs have C19 power cords which require 20A @120V or 240V AC circuits.</p>
NETWORK CARDS	<p>Entry: Broadcom 5720 Dual Port 2x 1GbE LOM default or OCP3 NIC options            OCP 3.0 NIC Options – consume OCP 3.0 NIC slot:</p> <ul style="list-style-type: none"> <li>Intel i350 Quad Port 1GbE BASE-T, OCP NIC 3.0</li> <li>Intel X710-T4L Quad Port 10GbE BASE-T, OCP NIC 3.0</li> <li>Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, OCP NIC 3.0</li> </ul> <p>Dedicated Broadcom® BCM54210 Ethernet LAN 10/100/1000 for iDRAC9 controller use with System Management tool suite</p>
REGULATORY <sup>8,12</sup>	<p>Product Safety, EMC and Environmental Datasheets:  <a href="https://www.dell.com/learn/sg/en/sgcorp1/product-info-datasheets-safety-emc-environmental">https://www.dell.com/learn/sg/en/sgcorp1/product-info-datasheets-safety-emc-environmental</a></p> <p>Dell Regulatory Compliance Home Page:  <a href="https://www.dell.com/learn/sg/en/sgcorp1/regulatory-compliance">https://www.dell.com/learn/sg/en/sgcorp1/regulatory-compliance</a></p> <p>Dell and the Environment:  <a href="https://www.dell.com/en-sg/dt/corporate/social-impact/advancing-sustainability/sustainable-supply-chain/environment.htm">https://www.dell.com/en-sg/dt/corporate/social-impact/advancing-sustainability/sustainable-supply-chain/environment.htm</a></p>

1. Offering may vary by region. Some items may be available after product introduction. For complete details, refer to the Technical Guidebook published on [www.dell.com/support](http://www.dell.com/support).

2. System Memory and Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.

3. 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.

4. Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality.

5. Storage Option: GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

6. TPM is available in selected regions.

7. Absolute: Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at [www.lojackforlaptops.com](http://www.lojackforlaptops.com).

8. Please refer to [www.ipeat.net](http://www.ipeat.net) for specific refer to [www.ipeat.net](http://www.ipeat.net) for specific information rating and participation.

9. Limited Hardware Warranty: For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [www.dell.com/warranty](http://www.dell.com/warranty).

10. on-site service after Remote Diagnosis: Remote Diagnosis is determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty ([www.dell.com/warranty](http://www.dell.com/warranty)) and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.

11. Dell Services: Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicedescriptions](http://www.dell.com/servicedescriptions).

12. For complete listing of declarations and certifications, refer to the Dell Regulatory and Environmental Datasheet found in the Manuals section of Product Support information [www.dell.com/support/home/us/en/19](http://www.dell.com/support/home/us/en/19).