



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, 128 cores (2x 64) processors, (2) AMD or NVIDIA 300W graphics, 128TB storage (8) M.2, (7) PCIe Gen 4/5 slots, up to 8TB of 5600MT/s (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 tasks¹

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

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.

Get up to 18% in power savings²

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.*

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.

Experience 2x faster network performance¹

Network Optimization provides the world's first simultaneous multi-network connection for faster data and video downloads³, and joins the best network⁴ available.

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>

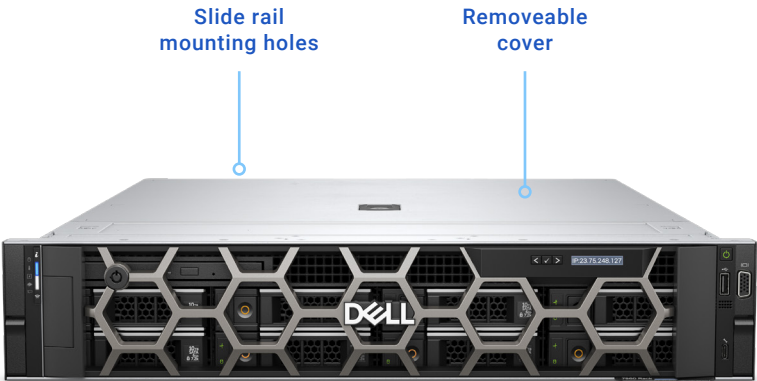
³ Best network selection based on signal strength, channel congestion, router type and others. Network suggestions based on user credentials.

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

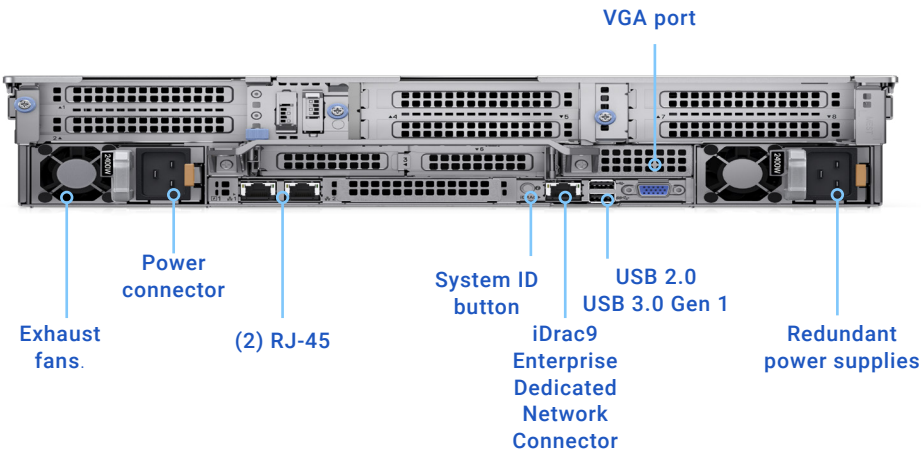
Be productive from almost anywhere with a powerful, secured access rack based solution that keeps your intellectual property safely in the data center.



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

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

*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.

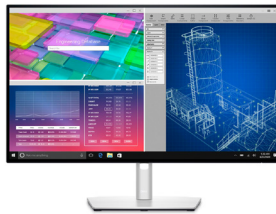
**Based on internal analysis, November 2023. Percentage based on plastic weight.

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 ¹	Precision 7960 Rack
CHIPSET	Intel C741
PROCESSOR OPTIONS ¹ <small>Optional dual processors: Up to 128 cores (2 x 64 cores)</small>	Intel® Xeon® Platinum 8592+ 320MB Cache, 64 cores, 128 threads, 1.9 GHz to 3.9 GHz Turbo, 350W Intel® Xeon® Platinum 8580 300MB Cache, 60 cores, 112 threads, 2.1 GHz to 4.0 GHz Turbo, 350W Intel® Xeon® Platinum 8568Y+ 300MB Cache, 48 cores, 96 threads, 2.3 GHz to 4.0 GHz Turbo, 350W Intel® Xeon® Platinum 8562Y+ 60MB Cache, 32 cores, 64 threads, 2.8 GHz to 4.1 GHz Turbo, 300W Intel® Xeon® Gold 6548Y+ 60MB Cache, 32 cores, 64 threads, 2.5 GHz to 4.1 GHz Turbo, 250W Intel® Xeon® Gold 6542Y 60MB Cache, 24 cores, 48 threads, 2.9 GHz to 4.1 GHz Turbo, 250W Intel® Xeon® Gold 6534 22.5MB Cache, 8 cores, 16 threads, 3.9 GHz to 4.2 GHz Turbo, 195W Intel® Xeon® Gold 6526Y 37.5MB Cache, 16 cores, 32 threads, 2.8 GHz to 3.9 GHz Turbo, 195W Intel® Xeon® Silver 4514Y 30MB Cache, 16 cores, 32 threads, 2.0 GHz to 3.4 GHz Turbo, 150W Intel® Xeon® Silver 4510 30MB Cache, 12 cores, 24 threads, 2.4 GHz to 4.1 GHz Turbo, 150W Intel® Xeon® Silver 4509Y 22.5MB Cache, 8 cores, 16 threads, 2.6 GHz to 4.1 GHz Turbo, 125W Intel® Xeon® Silver 4410Y, 30MB cache, 12 cores, 24 threads, 2.0GHz to 3.9GHz Turbo, 150W Intel® Xeon® Gold 5415+, 22.5MB cache, 8 cores, 16 threads, 2.9GHz to 4.1GHz Turbo, 150W Intel® Xeon® Silver 4416+, 37.5MB cache, 20 cores, 40 threads, 2.0GHz to 3.9GHz Turbo, 165W Intel® Xeon® Gold 5418Y, 45MB Cache, 24 cores, 48 threads, 2.0GHz to 3.8GHz Turbo, 185W Intel® Xeon® Gold 5420+, 52.5MB cache, 28 cores, 56 threads, 2.0GHz to 4.1GHz Turbo, 205W Intel® Xeon® Gold 6430, 60MB cache, 32 cores, 64 threads, 2.1GHz to 3.4GHz Turbo, 270W Intel® Xeon® Gold 6434, 22.5MB cache, 8 cores, 16 threads, 3.7 GHz to 4.1GHz Turbo, 195W Intel® Xeon® Gold 6426Y, 37.5MB cache, 16 cores, 32 threads, 2.6GHz to 4.0GHz Turbo, 185W Intel® Xeon® Gold 6442Y, 60MB cache, 24 cores, 48 threads, 2.5GHz to 4.0GHz Turbo, 185W Intel® Xeon® Gold 6448Y, 60MB cache, 32 cores, 64 threads, 2.1GHz to 4.1GHz Turbo, 225W Intel® Xeon® Gold 6444Y, 45MB cache, 16 cores, 32 threads, 3.6GHz to 4.0GHz Turbo, 270W Intel® Xeon® Platinum 8452Y, 67.5MB cache, 36 cores, 72 threads, 2.0GHz to 3.2GHz Turbo, 300W Intel® Xeon® Platinum 8460Y+, 105MB cache, 40 cores, 80 threads, 2.0GHz to 3.7GHz Turbo, 300W Intel® Xeon® Platinum 8462Y+, 60MB cache, 32 cores, 64 threads, 2.8GHz to 4.1GHz Turbo, 300W Intel® Xeon® Platinum 8468, 105MB cache, 48 cores, 96 threads, 2.1GHz to 3.8GHz Turbo, 350W Intel® Xeon® Platinum 8470, 105MB cache, 52 cores, 104 threads, 2.0GHz to 3.8GHz Turbo, 350W Intel® Xeon® Platinum 8480+, 105MB cache, 56 cores, 112 threads, 2.0GHz to 3.8GHz Turbo, 350W
OPERATING SYSTEM ¹	Windows 11 for Workstations Ubuntu® 22.04, 64-bit Red Hat® Linux® 8.6 Enterprise WS
MEMORY OPTIONS ^{1,2,3}	16GB, 1 x 16GB, DDR5, 5600MT/s ECC 32GB, 1 x 32GB, DDR5, 5600MT/s ECC 32GB, 2 x 16GB, DDR5, 5600MT/s ECC 64GB, 1 x 64GB, DDR5, 5600MT/s ECC 64GB, 2 x 32GB, DDR5, 5600MT/s ECC 64GB, 4 x 16GB, DDR5, 5600MT/s ECC 96GB, 6 x 16GB, DDR5, 5600MT/s ECC 128GB, 1 x 128GB, DDR5, 5600MT/s ECC 128GB, 2 x 64GB, DDR5, 5600MT/s ECC 128GB, 4 x 32GB, DDR5, 5600MT/s ECC 128GB, 8 x 16GB, DDR5, 5600MT/s ECC 192GB, 6 x 32GB, DDR5, 5600MT/s ECC 192GB, 12 x 16GB, DDR5, 5600MT/s ECC 256GB, 1 x 256GB, DDR5, 5600MT/s, ECC 256GB, 2 x 128GB, DDR5, 5600MT/s,ECC 256GB, 4 x 64GB, DDR5, 5600MT/s ECC 256GB, 8 x 32GB, DDR5, 5600MT/s ECC 256GB, 16 x 16GB, DDR5, 5600MT/s ECC 384GB, 6 x 64GB, DDR5, 5600MT/s ECC 384GB, 12 x 32GB, DDR5, 5600MT/s ECC 384GB, 24 x 16GB, DDR5, 5600MT/s ECC 512GB, 2 x 256GB, DDR5, 5600MT/s, ECC 512GB, 4 x 128GB, DDR5, 5600MT/s,ECC 512GB, 8 x 64GB, DDR5, 5600MT/s ECC 512GB, 16 x 32GB, DDR5, 5600MT/s ECC 512GB, 32 x 16GB, DDR5, 5600MT/s ECC 768GB, 6 x 128GB, DDR5, 5600MT/s ECC 768GB, 12 x 64GB, DDR5, 5600MT/s ECC 768GB, 24 x 32GB, DDR5, 5600MT/s ECC 1 TB 4x 256GB, DDR5, 5600MT/s,ECC 1 TB, 8 x 128GB, DDR5, 5600MT/s,ECC 1 TB, 16 x 64GB, DDR5, 5600MT/s ECC 1 TB, 32 x 32GB, DDR5, 5600MT/s ECC 1.5 TB, 6 x 256GB, DDR5, 5600MT/s, ECC 1.5 TB, 12 x 128GB, DDR5, 5600MT/s ECC 1.5 TB, 24 x 64GB, DDR5, 5600MT/s ECC 2 TB 8 x 256GB, DDR5, 5600MT/s ECC 2 TB 16 x 128GB, DDR5, 5600MT/s ECC 2 TB, 32 x 64GB, DDR5, 5600MT/s ECC 3 TB, 12 x 256GB, DDR5, 5600MT/s,ECC 3 TB, 24 x 128GB, DDR5, 5600MT/s ECC 4 TB, 16 x 256GB, DDR5, 5600MT/s ECC 4 TB, 32 x 128GB, DDR5, 5600MT/s ECC 6 TB, 24 x 256GB, DDR5, 5600MT/s ECC 8 TB, 32 x 256GB, DDR5, 5600MT/s ECC Note: Memory may clock down to 4800/4400MHz or lower (CPU dependent) and in configurations with 2 DIMMs.
GRAPHICS	Up to 2x Double wide graphics cards in PCIe Gen 5 slots – requires dual CPU system with 1400/2400W PSU NVIDIA: NVIDIA® RTX™ A800 40GB GDDR6 - no display output - requires T1000 for display NVIDIA® RTX™ 6000 Ada, 48 GB GDDR6 NVIDIA® RTX™ A6000, 48 GB GDDR6 NVIDIA® RTX™ A5500, 24 GB GDDR6 NVIDIA® RTX™ 5000 Ada, 32 GB GDDR6 NVIDIA® RTX™ 4500 Ada, 24 GB GDDR6 NVIDIA® RTX™ A4500, 20 GB GDDR6 NVIDIA® RTX™ 4000 Ada, 20 GB GDDR6 NVIDIA® RTX™ A4000, 16GB GDDR6 NVIDIA® RTX™ A2000, 12GB GDDR6 NVIDIA® T1000 LP/FH, 8GB GDDR6 NVIDIA® T400 LP/FH, 4GB GDDR6 AMD: AMD Radeon™ W6400 LP/FH, 4GB GDDR6

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER¹	Precision 7960 Rack
STORAGE OPTIONS^{1,5}	Support for up to (8) 2.5" or 3.5" SATA/SAS drives, up to 8* x M.2 NVMe PCIe SSDs PERC H755 motherboard PCIe HW RAID controller required for SAS drive support M.2 NVMe PCIe SSDs Up to 8x 4TB drives on 2x Dell Precision Ultra-Speed Drive Quad x16 PCIe cards. *Requires dual CPU config and graphics card in low profile riser slot
BOOT DRIVES^{1,5}	Boot from Dell Ultra Speed Drive Quad or Duo PCIe card M.2 2280, 512GB, PCIe NVMe Gen4 x4, SSD, Class 40 M.2 2280, 1TB, PCIe NVMe Gen4 x4, SSD, Class 40 M.2 2280, 2TB, PCIe NVMe Gen4 x4, SSD, Class 40 M.2 2280, 4TB, PCIe NVMe Gen4 x4, SSD, Class 40
DATA DRIVES^{1,5}	2.5-inch, 600GB, 15,000RPM, SAS, Enterprise HDD 2.5-inch, 1.2TB, 10,000RPM, SAS, Enterprise HDD 2.5-inch, 2.4TB, 10,000RPM, SAS, Enterprise HDD 3.5-inch, 2TB, 7200RPM, SATA, Enterprise HDD 3.5-inch, 4TB, 7200RPM, SATA, Enterprise HDD 3.5-inch, 8TB, 7200RPM, SATA, Enterprise HDD 3.5-inch, 12TB, 7200RPM, SATA, Enterprise HDD 2.5-inch, 1.92TB, MU, SATA, Enterprise SSD
STORAGE CONTROLLERS	Integrated: 2x Intel chipset 6Gb/s SATA controllers with 4 ports each (total 8) for SATA HDD/SSD. 1 port for optical drive Intel vROC SW SATA RAID 0,1,5,10 supported across 4 SATA ports on 1st controller only. (Maximum 4 drives in RAIDset) 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). 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). Optional PERC H755P SATA/SAS Motherboard Hardware RAID PCIe controller with 8GB cache (battery backup), RAID 0/1/5/10 (no JBOD with SATA drives)
PRODUCTIVITY SOFTWARE¹	Microsoft Office Home and Business Commercial Microsoft Office 2021 Professional Commercial Dell Optimizer for Precision
SECURITY SOFTWARE	McAfee® Small Business Security 30-day free trial McAfee® Small Business Security 12-month subscription McAfee® Small Business Security 36-month subscription Dell Encryption Personal Dell Encryption Enterprise
ADD-IN CARDS	Dell Precision Ultra-Speed Drive Quad (x16) and Duo (x8) low profile PCIe cards support M.2 NVMe drives with active cooling up to 2 and 4 NVMe drives respectively Dual display (full height and low profile) PColP remote workstation PCIe cards Quad display (full height) PColP remote workstation PCIe cards Serial port (full height, low profile) PCIe card - single port
SECURITY OPTIONS	Trusted Platform Module (TPM 2.0); Setup/BIOS Password, I/O Interface Security, lockable top cover and lockable front bezel, Dell Encryption Enterprise
WARRANTY^{9,10}	3-year Basic warranty with hardware service with on-site/in-home service after remote diagnosis 4-year Basic warranty with hardware service with on-site/in-home service after remote diagnosis 5-year Basic warranty with hardware service with on-site/in-home service after remote diagnosis 3-year ProSupport with Next Business Day on-site service 4-year ProSupport with Next Business Day on-site service 5-year ProSupport with Next Business Day on-site service 3-year ProSupport Plus for Client with Next Business Day on-site service 4-year ProSupport Plus for Client with Next Business Day on-site service 5-year ProSupport Plus for Client with Next Business Day on-site service
ACCIDENTAL DAMAGE SERVICES	3-year Accidental Damage Service 4-year Accidental Damage Service 5-year Accidental Damage Service
PORTS SLOTS AND CHASSIS	Front Ports: iDRAC Direct port (1x Micro USB 2.0) USB 2.0 port VGA Port intended for iDRAC use Rear Ports: USB 2.0 port USB 3.0 Gen1 port iDRAC Enterprise Dedicated Network connector VGA port intended for iDRAC use (2) RJ45 Ethernet ports 1GbE LOM standard and one of three OCP3 NIC cards options in dedicated slot (4) RJ45 Ethernet ports 1GbE (OCP3 card option) (4) RJ45 Ethernet ports 10GbE (OCP3 card option) (4) 10/25GbE SFP28 ports (OCP3 card option) Slots: 7 Slots in riser cards with Dual CPUs 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 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 Up to 2x dual or single width graphics cards with dual CPUs.
OPTICAL DRIVE	8x DVD-ROM 9.5mm optical drive 8x DVD+/-RW 9.5mm optical drive

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER¹	Precision 7960 Rack
CHASSIS	<p>U.S. Height: 3.39in Width (front): 18.98in. Width (rear): 17.08in. Depth with bezel: 30.40in.</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: Intel i350 Quad Port 1GbE BASE-T, OCP NIC 3.0 Intel X710-T4L Quad Port 10GbE BASE-T, OCP NIC 3.0 Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, OCP NIC 3.0 Dedicated Broadcom® BCM54210 Ethernet LAN 10/100/1000 for iDRAC9 controller use with System Management tool suite</p>
REGULATORY^{8,12}	<p>Product Safety, EMC and Environmental Datasheets: https://www.dell.com/learn/sg/en/sgcorp1/product-info-datasheets-safety-emc-environmental Dell Regulatory Compliance Home Page: https://www.dell.com/learn/sg/en/sgcorp1/regulatory-compliance Dell and the Environment: https://www.dell.com/en-sg/dt/corporate/social-impact/advancing-sustainability/sustainable-supply-chain/environment.htm</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.

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 andTB 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.lockforlaptops.com.

8. Please refer to www.epeat.net for specific country registration 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.

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) 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/servicesdescriptions.

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.