

PRECISION

5470

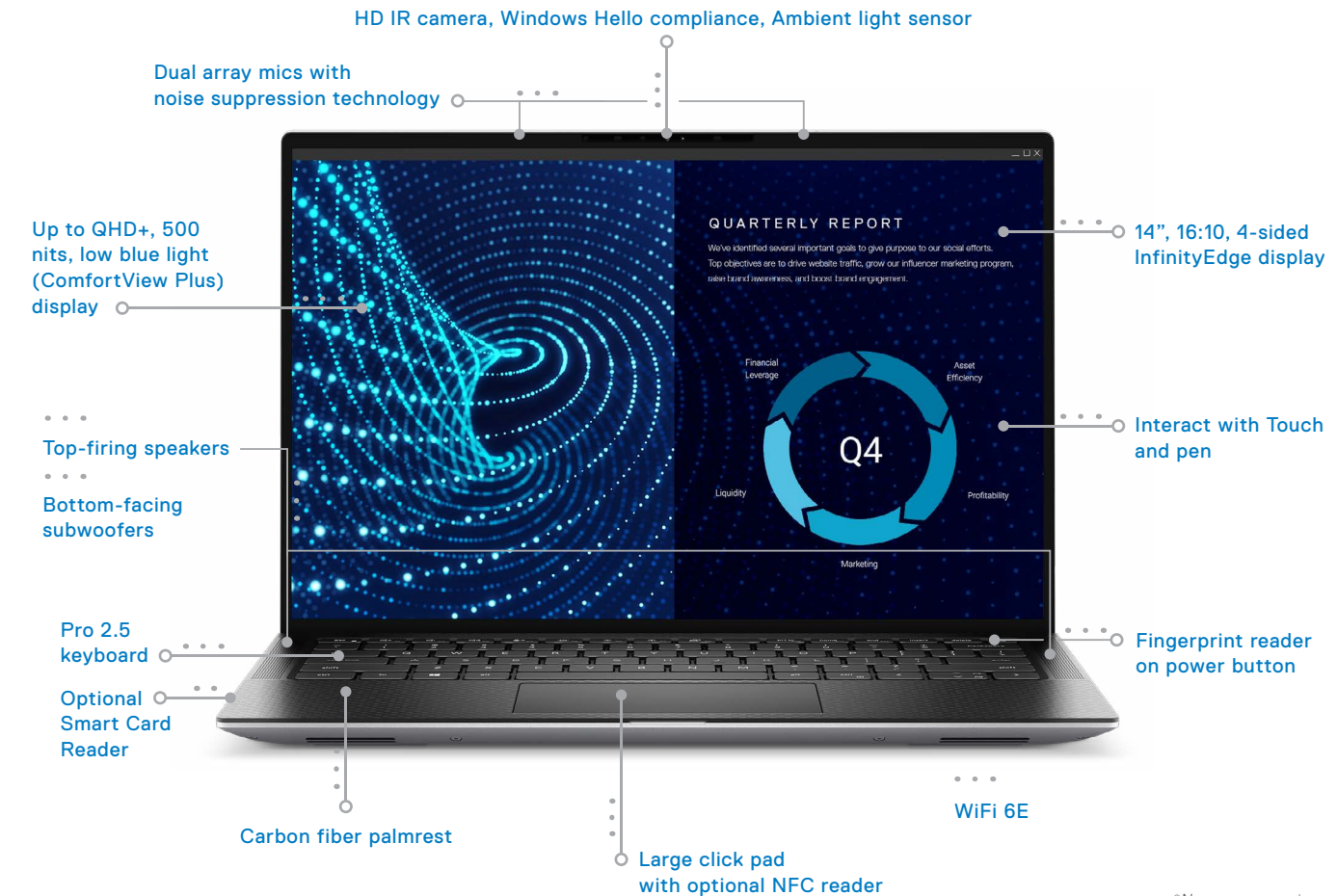
Power your
creative zone.



5470

A small device made for big ideas.

Introducing the world's smallest, thinnest and most powerful 14" workstation



**No camera, no mic, no wireless option available for FED*



Dell Optimizer for Precision

ExpressSign-in
ExpressConnect
ExpressCharge
ExpressDischarge
ExpressResponse
Intelligent Audio
Reporting & Analytics

Sustainability

EPEAT Gold Registered
Recycled carbon fiber
100% recycled plastics & cardboard contained in packaging

Advanced Thermals

User Selectable Thermals Tables (USTT)
Dual Opposing Output (DOO) fan with liquid polymer blades
Dual intake venting
Thermal insulated material, GORE™

World's thinnest and lightest 14" workstation, starting at 3.26lbs/1.48kgs

Up to 130W Type-C adapter

Up to 72Whr battery

[▶ See 360-degree product demo](#)

PRECISION 5470

Spec Sheet



Intelligent performance

Intel® Core™, 14 Core (6P + 8E, 45W), up to 4GB NVIDIA RTX A1000 graphics, up to 64GB of 5200MHz DDR5, M.2 SSD with PCIe Gen 4 support (4TB), (4) Thunderbolt™ 4

Dell Optimizer for Precision

...

Advanced thermals

...



Immersive productivity and design

Large clickpad, IR camera with ambient light sensor, dual mics, 4 speakers

...

14" InfinityEdge 16:10 display, up to QHD+ with pen/Touch, 75% Adobe, 500nits, PremierColor, with ComfortView Plus options

...

Intel WiFi 802.11ax, 6E, Bluetooth 5.2



Mission critical reliability and security

ISV Certifications

...

MIL-STD 810H tested

...

Long battery life option

...

Smart Card Reader

...

Fingerprint Reader

...

IR Camera with Windows Hello and proximity sensor



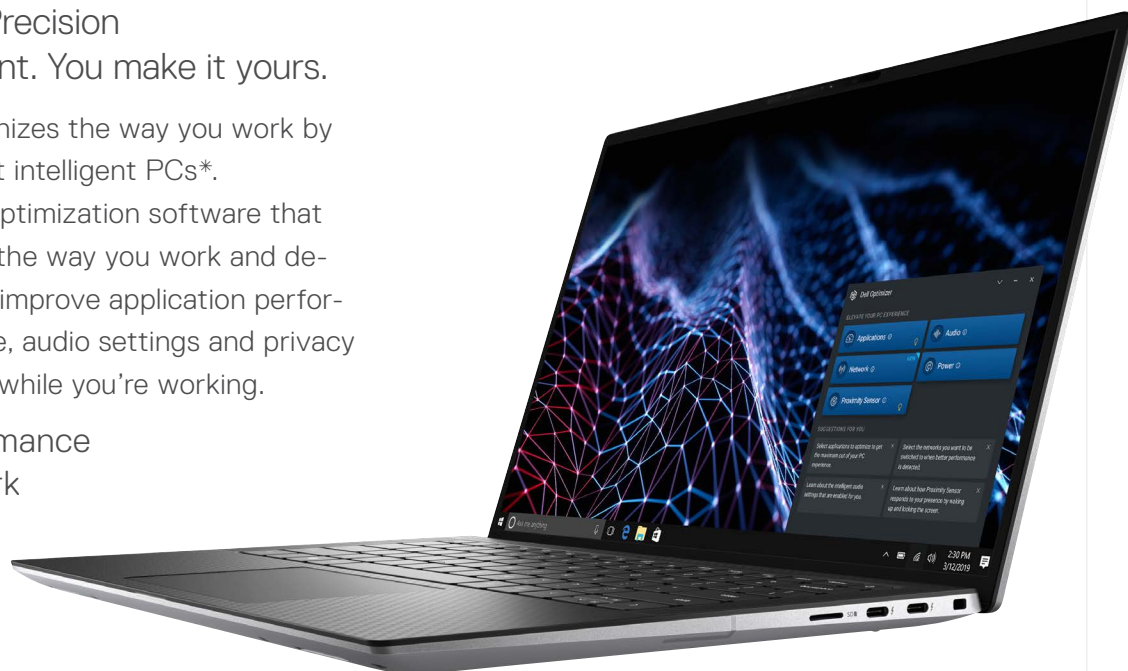
5470

Dell Optimizer for Precision
We make it intelligent. You make it yours.

Dell Optimizer revolutionizes the way you work by fueling the world's most intelligent PCs*.

It is the only AI-based optimization software that learns and responds to the way you work and designed to automatically improve application performance, battery run-time, audio settings and privacy – all in the background while you're working.

Personalized performance
made for hybrid work



Power to the creators

Dell Optimizer for Precision empowers high-end users with ExpressResponse⁶ for performance optimization of storage heavy apps. If you're a Precision user, you also have an exclusive Analytics feature for workload and system insights that help create personalized performance. You can also generate reports within Analytics to get system diagnostics and productivity gains.



Intelligent privacy anywhere

Privacy and security are a major concern – help keep sensitive data private with the world's most comprehensive suite of Intelligent Privacy features¹. Onlooker detection lets you texturize or turn on Safe Screen when an intruder is detected and Look Away Detect darkens the PC screen based on user behavior.



Extended power

ExpressCharge analyzes your power usage habits to improve PC battery utilization. It extends run times and charges your system faster when you need a boost in power.



Enhanced audio

Intelligent Audio delivers audio and mic enhancements and reduces background noise so you can fully engage in meetings with confidence, wherever you collaborate. Neural noise cancellation enables advanced artificial intelligent techniques to distinguish human speech from any unwanted noise.



Faster sign-in

Get to work faster with ExpressSign-in² – the proximity sensor detects your presence to wake on approach before Windows Hello logs you in via facial recognition.



Unmatched connectivity

Optimized for the best connectivity, ExpressConnect³ provides the world's first simultaneous multi-network connection for faster data and video downloads⁴. It also enables joining the best network⁵ available and prioritizes traffic for conferencing apps, wherever you work.



Improved performance

ExpressResponse⁶ analyzes how you use your preferred apps⁷ to boost performance.



Simplified manageability

Elevate work experience with an easy-to-manage application that provides a seamless experience for both end-users and IT decision makers. Set up individual features and modules from Dell Optimizer that fit your work environment with the modular installation feature. Deployment updates and optimization of multiple PCs remotely can be done simultaneously via centralized management.



RECOMMENDED ACCESSORIES



Dell UltraSharp 34 Curved USB-C Hub Monitor - U3421WE

Get immersive productivity on a 34" WQHD curved monitor with a wide color coverage and extensive connectivity including RJ45, USB-C and quick-access front ports.



Dell Premier Rechargeable Wireless Mouse - MS7421W

Experience a mobile mouse with best-in-class rechargeable power and productivity features in an accentuated design. Long lasting battery life of up to 6 months on a full charge.



Dell Thunderbolt™ Dock - WD22TB4

Boost your PC's power on the world's first modular Thunderbolt™ dock with a future-ready design.



Dell Premier Wireless ANC Headset - WL7022

Collaborate with ease anywhere with this Teams certified wireless headset which offers active noise cancellation and smart sensors that automatically mute and unmute your call.



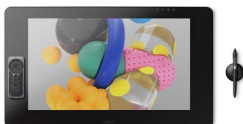
Dell UltraSharp Webcam - WB7022

Elevate your video conferencing experience with the world's best image quality 4K webcam that optimizes your visuals with a large 4K Sony STARVIS™ CMOS sensor and AI Auto-Framing.



Dell EcoLoop Pro Briefcase - CC5623

Made with a more earth-friendly solution-dyeing process than traditional dyeing processes and shock-absorbing EVA foam that protects your laptop from impact.



Wacom Cintiq Pro 24 Creative Pen Display Touch - DTH-2420

Enhance your creative process with the Wacom Cintiq Pro 24. Featuring world-class color performance on one of Wacom's largest 4K screens.



3Dconnexion SpaceMouse Wireless - 3DX-700076

Simply push, pull, twist or tilt the 3Dconnexion controller cap to intuitively pan, zoom and rotate your 3D drawing.



Dell Premier Rechargeable Active Pen - PN7522W

World's first Active Pen with a Tile location tracker providing the longest battery life on a single charge.

Sustainability on Dell Precision workstations

Leading the industry in sustainable practices in our products, packaging and supply chain.

PRECISION LEADS THE WORKSTATION INDUSTRY IN SUSTAINABLE DESIGN AND MATERIALS.



Design

1st

Workstations made with reclaimed carbon fiber and renewable bioplastic¹¹.

Sustainable Materials

up to 46%

Recycled plastic in fixed workstations. Up to 17% in mobile workstations.

Packaging Innovation

25%

Ocean-bound plastic trays in Precision 5000 Series packaging.

PRECISION HAS

19

EPEAT registered products¹²



16

TCO 8 certified configurations



8.0

ENERGY STAR® throughout the portfolio



PRECISION 5470

FEATURE TECHNICAL SPECIFICATION

MODEL NUMBER Precision 5470

PROCESSOR OPTIONS¹⁵ 12th Generation Intel® Core™ i5-12500H, vPro® Essentials, 18MB cache, 16 threads, 12 cores (4P cores & 8E cores) P cores 2.5GHz to 4.5GHz, E cores 1.8GHz to 3.3GHz, 45W
12th Generation Intel® Core™ i5-12600H, vPro® Enterprise, 18MB cache, 16 threads, 12 cores (4P cores & 8E cores) P cores 2.7GHz to 4.5GHz, E cores 2.0GHz to 3.3GHz, 45W
12th Generation Intel® Core™ i7-12700H, vPro® Essentials, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.3GHz to 4.7GHz, E cores 1.7GHz to 3.5GHz, 45W
12th Generation Intel® Core™ i7-12800H, vPro® Enterprise, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.4GHz to 4.8GHz, E cores 1.8GHz to 3.7GHz, 45W
12th Generation Intel® Core™ i9-12900HK, vPro® Essentials, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.5GHz to 5.0GHz, E cores 1.8GHz to 3.8GHz, 45W
12th Generation Intel® Core™ i9-12900H, vPro® Enterprise, 24MB cache, 20 threads, 14 cores (6P cores & 8E cores) P cores 2.5GHz to 5.0GHz, E cores 1.8GHz to 3.8GHz, 45W

OPERATING SYSTEM¹⁵ Windows 11 Pro, 64-bit with DGR¹⁷
Windows 11 Pro National Education, 64-bit
Windows 11 Home, 64-bit with DGR¹⁷
RedHat Enterprise Linux 8.6 (64-bit)
Ubuntu® Linux® 20.04 (64-bit)

MEMORY OPTIONS^{13,14,15} 8GB, LPDDR5, 5200MHz, integrated, dual-channel
16GB, LPDDR5, 5200MHz, integrated, dual-channel
32GB, LPDDR5, 5200MHz, integrated, dual-channel
64GB, LPDDR5, 5200MHz, integrated, dual-channel (coming soon)

PRIMARY HARD DRIVE^{13, 16} M.2 2230, 256GB, PCIe NVMe Gen4 x4, Class 35 SSD
M.2 2280, 512GB, PCIe NVMe Gen4 x4, Class 40 SSD
M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD
M.2 2280, 2TB, PCIe NVMe Gen4 x4, Class 40 SSD
M.2 2280, 4TB, PCIe NVMe Gen4 x4, Class 40 SSD
M.2 2280, 512GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive
M.2 2280, 1TB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive
M.2 2280, 512GB, PCIe NVMe Gen4 x4, Class 40 SSD, self-encrypting drive (coming soon)
M.2 2280, 1TB, PCIe NVMe Gen4 x4, Class 40 SSD, self-encrypting drive (coming soon)

GRAPHICS **Integrated:**
Intel® Iris X® Graphics

Discrete: (optional)
NVIDIA® RTX A1000 laptop, 4GB GDDR6

DISPLAY OPTIONS¹⁵ 14-inch, FHD+, 1920 x 1200, 60Hz, anti-glare, non-touch, 100% sRGB, 500 nits, wide-viewing angle, narrow bent, TÜV low blue light
14-inch, QHD+, 2560 x 1600, 60Hz, anti-reflection, touch, 100% sRGB, 500 nits, wide-viewing angle, narrow bent, TÜV low blue light, active pen support

CASE COLOR Aluminum Titan Grey

PRODUCTIVITY SOFTWARE¹⁵ Dell Support Assist
DDRE (Dell Developed Recovery Environment)
Dell Optimizer for Precision
Dell Support Center
Intel® WiFi Direct

SECURITY SOFTWARE¹⁵ Dell Client Command Suite
Optional Dell Data Security and Management Software
Dell BIOS Verification
Optional Dell Endpoint Security and Management Software
VMware Carbon Black Endpoint Standard
VMware Carbon Black Endpoint Standard + Secureworks
Threat Detection and Response
Dell Encryption Enterprise
Dell Encryption Personal Carbonite
VMware Workspace ONE
Absolute® Endpoint Visibility and Control Netskope
Dell Supply Chain Defense

WARRANTY^{19, 20} 1-year hardware service with on-site/in-home service after remote diagnosis
2-year hardware service with on-site/in-home service after remote diagnosis (Upsell)
3-year hardware service with on-site/in-home service after remote diagnosis (Upsell)
4-year hardware service with on-site/in-home service after remote diagnosis (Upsell)

FEATURE TECHNICAL SPECIFICATION

5-year hardware service with on-site/in-home service after remote diagnosis (Upsell)
1-year ProSupport with Next Business Day on-site service (Upsell)
2-year ProSupport with Next Business Day on-site service (Upsell)
3-year ProSupport with Next Business Day on-site service (Upsell)
4-year ProSupport with Next Business Day on-site service (Upsell)
5-year ProSupport with Next Business Day on-site service (Upsell)
1-year ProSupport Plus with Next Business Day on-site service (Upsell)
2-year ProSupport Plus with Next Business Day on-site service (Upsell)
3-year ProSupport Plus with Next Business Day on-site service (Upsell)
4-year ProSupport Plus with Next Business Day on-site service (Upsell)
5-year ProSupport Plus with Next Business Day on-site service (Upsell)

ACCIDENTAL DAMAGE SERVICES 1-year Accidental Damage Service
2-year Accidental Damage Service
3-year Accidental Damage Service
4-year Accidental Damage Service
5-year Accidental Damage Service

KEYBOARD¹⁵ Available in many languages, backlit optional.

PORTS (4) ThunderBolt™ 4 ports with PowerDelivery and DisplayPort (USB Type-C™)
Headset (headphone and microphone combo) port

Also ships with USB 3.2 Type-A and HDMI dongle

SLOTS SmartCard Reader (optional)
MicroSD-card slot
Wedge-shaped lock slot

DIMENSIONS **US:**
Height (rear): 0.43in. (11.09mm)
Height (peak): 0.74in. (18.95mm)
Height (front): 0.29in. (7.49mm)
Width: 12.22in. (310.60mm)
Depth: 8.27in. (210.35mm)
Weight: 3.26lb (1.48kg)

Rest of the world:
Height (rear): 11.09mm (0.43in.)
Height (peak): 18.95mm (0.74in.)
Height (front): 7.49mm (0.29in.)
Width: 310.60mm (12.22in.)
Depth: 210.30mm (8.27in.)
Weight: 1.48kg (3.26lb)

CAMERA 720p at 30 fps, HD IR Camera with ALS sensor

AUDIO & SPEAKERS¹⁵ Stereo speakers with Dialog, 2W x 4 = 8W total

WIRELESS Intel® AX211, 2x2 MIMO, 2400Mbps, 2.40GHz/5GHz/6GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth® 5.2

BATTERY 4-cell, 72Whr "smart" lithium-ion, ExpressCharge™, optional Long Cycle Life

POWER OPTIONS¹⁵ 90W AC adapter, USB-C (UMA only)
130W AC adapter, USB-C (Discrete only)

REGULATORY^{18, 21} **Product Safety, EMC and Environmental Datasheets:** <https://www.dell.com/learn/us/en/uscorp1/product-info-datasheets-safety-emc-environmental>

Dell Regulatory Compliance Home Page: <https://www.dell.com/learn/us/en/uscorp1/regulatory-compliance?s=corp>

Dell and the Environment: <https://corporate.delltechnologies.com/en-us/social-impact/advancing-sustainability/sustainable-supply-chain/environment.htm>

PRECISION 5470

FEATURE TECHNICAL SPECIFICATION

INTEL RESPONSIVENESS TECHNOLOGIES

Intel® Rapid Storage Technology

HARDWARE SECURITY

Trusted Platform Module (TPM) 2.0 discrete
FIPS 140-2 certification for TPM
TCG Certification for TPM (Trusted Computing Group)
Contacted Smart Card and Control Vault 3
Contactless Smart Card, NFC, and ControlVault 3
SED SSD NVMe, SSD and HDD (Opal and non-Opal) per SDL
Finger Print Reader in Power Button tied to Control vault 3
SED (Opal 2.0 only - PCIe Interface)

DOCKING

(SOLD SEPARATELY)

Dell Thunderbolt™ 4 Dock - WD22TB4

MULTIMEDIA

(SOLD SEPARATELY)

Dell Premier Wireless ANC Headset - Blazer - WL7022
Dell UltraSharp Webcam - WB7022
Dell Mobile Adapter Speakerphone - MH3021P

RECOMMENDED ACCESSORIES

(SOLD SEPARATELY)

Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7321W
3Dconnexion SpaceMouse Wireles
Dell Premier Rechargeable Active Pen - P/N:7522W
Dell Premier Rechargeable Wireless Mouse - MS7421W
Wacom Cintiq Pro 24 Creative Pen Display Touch - DTH-2420

SENSORS

Ambient Light Sensor
IR User
Accelerometer
Adaptive Thermal Performance (Lap vs. Desk mode) requires Gyro/Accelerometer (NOTE: This is for thermal only.)
Hall Effect Sensor

SYSTEMS MANAGEMENT

Dell Power Manager (DPM)
Dell Command | Configure Version 4.0
Dell Command | Monitor 10.0
Dell Command | Update 3.0
Dell Command | Deploy (DCP)
Dell Command | Integration Suite for System Center 5.0 (DCIS) with vPro®
Dell Command | Intel® vPro™ Out of Band (DCIV)
Dell Command | PowerShell Provider 2.0
Dell Command | Deploy Driver Pack Catalog 1.0

* Based on internal analysis, April 2021. Dell Optimizer available in 2020 devices, not available in OptiPlex 3000 series, Latitude 3310 2-in-1 and Latitude Chromebook Enterprise. Feature availability and functionality varies by model.

1 Based on Dell internal analysis of competitive PC performance software and applications. September 2021. Intelligent Privacy is available on select Dell systems and devices.

2 Available on Latitude 9000 and select 7000 series; Precision mobile workstations 7000 and select 5000 series. See product details for availability.

3 ExpressConnect available with Dell Optimizer software version 2.0 and onwards. Download the latest at <https://www.dell.com/support/home>.

4 Disclaimer: Simultaneous multi-network connection (or Connection based teaming) is a new connectivity feature under ExpressConnect. It simultaneously sends and receives data and video traffic using two or more wired or wireless connections. Based on Dell internal analysis.

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

6 ExpressResponse must be enabled in the Applications feature. DO learns how user uses the selected application(s) over several hours. Based on Dell testing using Sysmark 2018 benchmark on a Latitude system running productivity applications; and using performance evaluation benchmarks on Precision mobile workstations running ISV applications, March 2020. Improvement will vary based on product configuration, use, application and other factors

7 User must input preferred apps first in order for them to be analyzed.

11 Based on Dell analysis, Jan 2021. 21% bioplastics in LCD coverlid.

12 EPEAT registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.

13 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.

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

15 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.

16 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.

17 Computrace: Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at www.lockforlaptops.com.

18 Please refer to www.epeat.net for specific country registration rating and participation.

19 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.

20 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.

21 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.