DELL Technologies

Precision 3460 SFF

Smart performance and design

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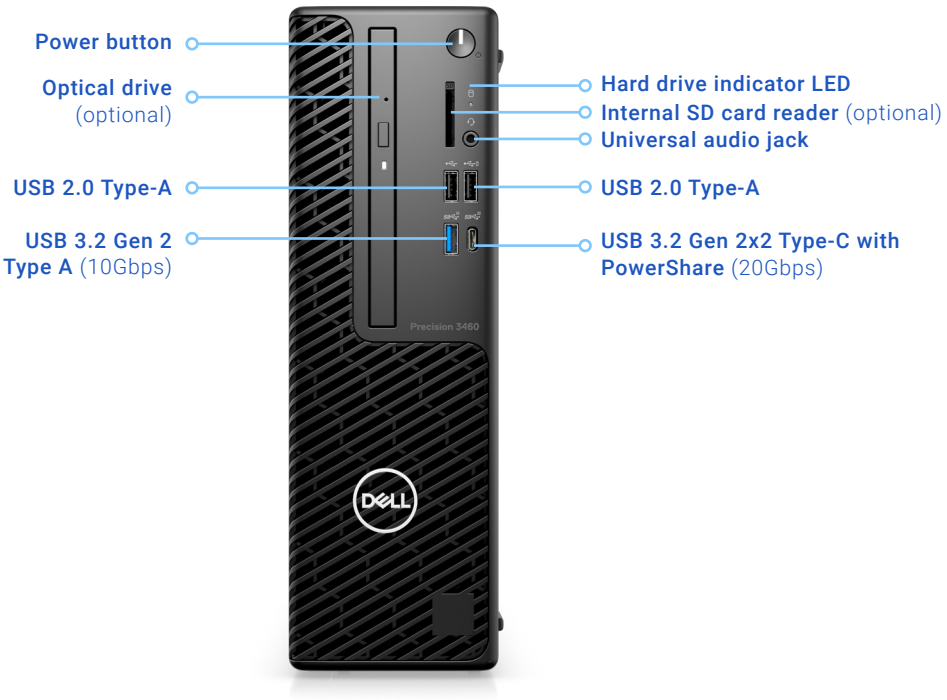
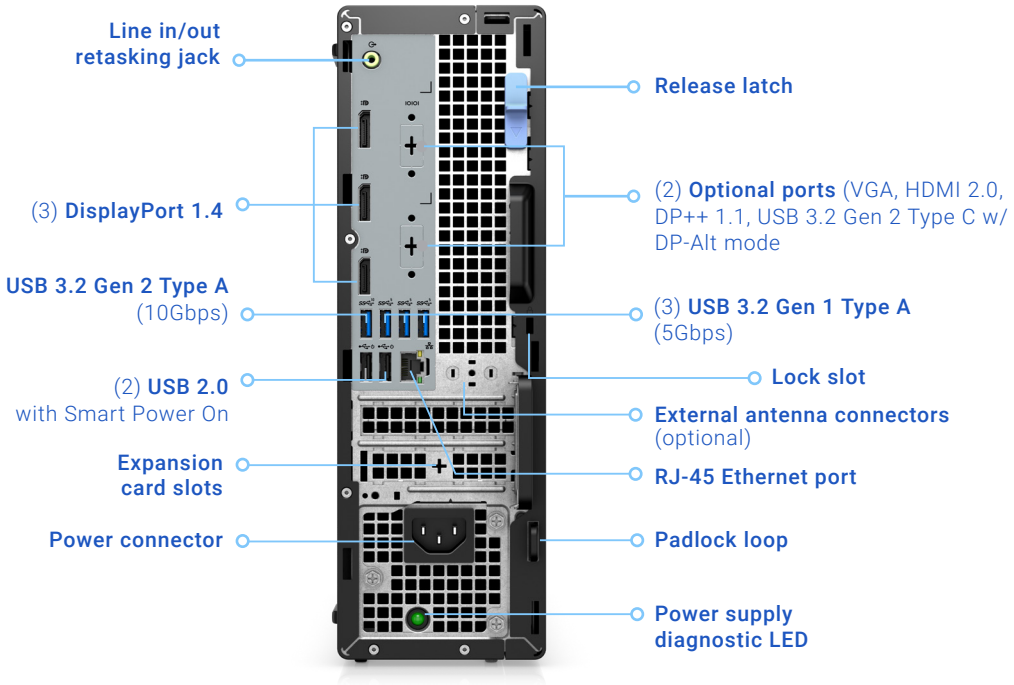
An intelligent, performance-optimized, space-saving small form factor workstation featuring AI-responsiveness.





Click here to review 360 degree product demo.

Intelligent performance

Up to 14th Gen Intel® Core™ i9, 16 Core (8P+8E), 65W, NVIDIA & AMD Pro graphics (75W), (3) M.2 PCIe SSD slots, (2) PCIe expansion slots, up to 20TB storage, RAID support, up to 64GB of 5600MHz RAM (DDR5), ECC optional

Dell Optimizer for Precision

Immersive productivity and design

Small form factor, 8L

Wireless 6E

Bluetooth 5.2 w/vPro

USB 3.2 2x2 20Gbps support

(3) DisplayPort 1.4 with 8K support
Support for 4K and 8K displays

Legacy support for select previous generation I/O

Internal power supply

Mission critical reliability and sustainability

ISV Certifications

MIL-STD tested

ECC memory and RMT Pro options

EPEAT registered

Our packaging is made from 87% recycled or renewable material

Dell Optimizer for Precision

Where productivity meets intelligence.

Personalized performance made for hybrid work

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.

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.

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.

Improved app performance

ExpressResponse analyzes how you use your preferred apps to boost performance.

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.

Faster sign-in

Get to work faster with ExpressSign-in[2] – the proximity sensor detects your presence to wake on approach before Windows Hello logs you in via facial recognition.

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.

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.

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.

Recommended accessories

Dell UltraSharp USB-C Hub Monitor - U2421E

Experience vibrant color and reduced harmful blue light emissions with ComfortView Plus. Featuring an RJ45 port for Ethernet connectivity.

Dell Small Form Factor All-in-One Stand - OSS21

Securely house your Precision small form factor desktop and Dell monitor neatly on your desk with the compact Dell Small Form Factor All-in-One Stand - OSS21.

Dell Pro Wireless Headset - WL5022

Work from anywhere with this Bluetooth Teams certified headset that lets you switch seamlessly to your PC or smartphone and enjoy crystal clear audio on the go.

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.

3Dconnexion SpaceMouse Wireless - 3DX-700076

3Dconnexion's patented 6-Degrees-of-Freedom (6DoF) sensor is specifically designed to manipulate digital content or camera positions in industry-leading CAD applications.

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.

FEATURE	TECHNICAL SPECIFICATION	FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	Precision 3460 SFF		
PROCESSOR OPTIONS[16]	Intel® Core™ i3 14th Gen 14100 (12 MB cache, 4 cores, 8 threads, 3.5 GHz to 4.7 GHz Turbo, 60W) Intel® Core™ i5 14th Gen 14400 (20 MB cache, 10 cores, 16 threads, 2.5 GHz to 4.7 GHz Turbo, 65W) Intel® Core™ i5 14th Gen 14500 vPro® (24 MB cache, 14 cores, 20 threads, 2.6 GHz to 5.0 GHz Turbo, 65W) Intel® Core™ i5 14th Gen 14600 vPro® (24 MB cache, 14 cores, 20 threads, 2.7 GHz to 5.2 GHz Turbo, 65W) Intel® Core™ i7 14th Gen 14700 vPro® (33 MB cache, 20 cores, 28 threads, 2.1 GHz to 5.4 GHz Turbo, 65W) Intel® Core™ i9 14th Gen 14900 vPro® (36 MB cache, 24 cores, 32 threads, 2.0 GHz to 5.8 GHz Turbo, 65W)	**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
OPERATING SYSTEM[16]	Windows 11 Home Windows 11 Pro Windows 11 Pro National Academic Windows 11 Pro for Workstations Ubuntu® 22.04 LTS	**KEYBOARD**[16]	Dell Premier Wireless Keyboard and Mouse - KM7321W
MEMORY OPTIONS[16,17,18]	8 GB: 1 x 8 GB, DDR5, 5200 MT/s, ECC 16 GB: 1 x 16 GB, DDR5, 5200 MT/s, ECC 16 GB: 2 x 8 GB, DDR5, 5200 MT/s, ECC, dual-channel 32 GB: 1 x 32 GB, DDR5, 5200 MT/s, ECC 32 GB: 2 x 16 GB, DDR5, 5200 MT/s, ECC, dual-channel 64 GB: 2 x 32 GB, DDR5, 5200 MT/s, ECC, dual-channel 8 GB: 1 x 8 GB, DDR5, 5600 MT/s, Non-ECC 16 GB: 1 x 16 GB, DDR5, 5600 MT/s, Non-ECC 16 GB: 2 x 8 GB, DDR5, 5600 MT/s, Non-ECC, dual-channel 32 GB: 1 x 32 GB, DDR5, 5600 MT/s, Non-ECC 32 GB: 2 x 16 GB, DDR5, 5600 MT/s, Non-ECC, dual-channel 64 GB: 2 x 32 GB, DDR5, 5600 MT/s, Non-ECC, dual-channel	**PORTS & SLOTS**	**Front ports:** USB 2.0 port USB 2.0 port PowerShare USB 3.2 Gen 2 port USB 3.2 Gen 2x2 capable Type-C® port Universal audio port **Rear ports:** RJ45 Ethernet port (2) USB 2.0 ports with PowerOn USB 3.2 Gen 2 port (3) USB 3.2 Gen 1 ports Re-tasking line-out/line-in audio port (3) DisplayPort 1.4a port Optional video port (HDMI 2.0b /Displayport 1.4a (HBR3)/ VGA/USB Type-C with DisplayPort Alt mode) Optional Serial/PS2 port SD 4.0 card slot (optional) Half-height Gen 4 PCIe x16 slot Half-height Gen 3 PCIe x4 slot M.2 2230 slot for WiFi and Bluetooth card M.2 2280 slot for solid-state drive (2) M.2 2230/2280 for solid-state drive (3) SATA 3.0 slot for 3.5/2.5-inch hard drive,slim optical drive Chassis intrusion switch Security-cable slot Padlock ring
STORAGE[16,19]	2.5-inch, 1TB, 5400RPM, SATA, HDD 2.5-inch, 2TB, 5400RPM, SATA, HDD 2.5-inch, 500GB, 7200RPM, SATA, HDD 2.5-inch, 1TB, 7200RPM, SATA, HDD 2.5-inch, 500GB, 7200RPM, SATA, HDD, Self-Encrypting, Opal 2.0, FIPS 3.5-inch, 500GB, 7200RPM, SATA, HDD 3.5-inch, 1TB, 7200RPM, SATA, HDD 3.5-inch, 2TB, 7200RPM, SATA, HDD 3.5-inch, 4TB, 5400RPM, SATA, HDD M.2 2230, 256GB, PCIe NVMe Gen3 x4, Class 35 SSD M.2 2280, 512GB, PCIe NVMe Gen3 x4, Class 40 SSD M.2 2280, 1TB, PCIe NVMe Gen3 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, Gen 4 x4 Class 40 SSD M.2 2280, 256GB, PCIe NVMe Gen3 x4, Class 40 SSD, self-encrypting drive 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 Gen3 x4, Class 50 SSD M.2 2280, 1TB, PCIe NVMe Gen3 x4, Class 50 SSD	**CHASSIS**	Small Form Factor
VIDEO CARD	Intel® UHD Graphics 730 with 14th Generation Intel® Core™ i3-14100 processor Intel® UHD Graphics 770 with 14th Generation Intel® Core™ i5-14500 vPro®, i5-14600 vPro®, i7-14700 vPro®, i9-14900 vPro® processors NVIDIA® Quadro T1000, 8 GB GDDR6, low profile NVIDIA® RTX™ A2000, 12 GB GDDR6, low profile AMD Radeon™ Pro® WX3200, 4 GB GDDR5, low profile AMD Radeon™ Pro® WX6400, 4 GB GDDR6, low profile Intel® Arc Pro A40, 6 GB GDDR6, low profile NVIDIA® RTX™ 4000 SFF Ada Gen, 20 GB, GDDR6, low profile	**OPTICAL DRIVE**	DVD±RW, Slimline 9.5 mm (optional)

DISPLAY (sold separately)	Dell Collaboration 24 USB-C Hub Monitor - C2422HE Dell UltraSharp 24 Monitor - U2422H Dell commercial displays including E series, Professional P series, UltraSharp, and Collaboration monitors	**DIMENSIONS&WEIGHT**	**US** Height: 11.42in. (290.00mm) Width: 3.65in. (92.60mm) Depth: 11.53in. (292.80mm) Weight (minimum): 8.52lbs. (3.87kg) Weight (maximum): 11.86lbs. (5.38kg) **Rest of the world** Height: 290.00mm (11.42in.) Width: 92.60mm (3.65in.) Depth: 292.80mm (11.53in.) Weight (minimum): 3.87kg (8.52lbs.) Weight (maximum): 5.38kg (11.86lbs.)
CASE COLOR	Dell Standard Black, Resin	**AUDIO & SPEAKERS**[1]	Stereo speakers with Realtek Waves, MaxxAudio 12.0, 2 W x 2 W = 4 W total
PRODUCTIVITY SOFTWARE[16]	Microsoft Office 30-day trial Microsoft Office Professional 2021 Microsoft Office Home and Business 2021 Dell Client Command Suite (DCCS) Dell Optimizer for Precision Dell PremierColor	**MULTIMEDIA**[16] (Sold separately in most cases)	Realtek Audio Controller - ALC3246-CG Dell Slim Soundbar - SB521A Dell Pro Stereo Headset - UC350 Dell Pro Stereo Soundbar - AE515M
SECURITY SOFTWARE[16]	Certificate Based Authentication (CBA)/Authenticated BIOS Interface (ABI) McAfee® Small Business Security 30-day free trial Dell Encryption Personal Dell Encryption Enterprise Dell Encryption External Media Dell Data Protection | Bitlocker Manager (DDP | BLM) Dell Trusted Device (SafeBIOS) Digital Device Identity and Secured Component Verification Secure BIOS Baseline Secured-core PC Support Assist for PCs Support Assist OS Recovery (Excalibur)	**CONNECTIVITY OPTIONS**	Qualcomm WCN6856-DBS, 2x2 MIMO, 3571 Mbps, 2.4GHz/5GHz/6GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth® 5.3 wireless card, Intel® AX211, 2x2 MIMO, 2400 Mbps, 2.4GHz/5GHz/6GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth® 5.3 wireless card
WARRANTY[20,21]	1-year basic warranty with on-site service after remote diagnostics 2-year basic warranty extension 3-year basic warranty extension 4-year basic warranty extension 5-year basic warranty extension 1-year ProSupport with Next Business Day on-site service 2-year ProSupport with Next Business Day on-site service 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 1-year ProSupport Plus for Client with Next Business Day on-site service 2-year ProSupport Plus for Client 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	**POWER OPTIONS**	260W internal power supply unit, 85% efficient PSU, 80 Plus Bronze 300W internal power supply unit, 92% Efficient PSU, 80 Plus Platinum
CHIPSET	Intel® W680	**REGULATORY**[22,23]	Product Safety, EMC and Environmental Datasheets Dell Regulatory Compliance Home Page Dell and the Environment
HARDWARE SECURITY	Security-cable slot Padlock rings Lockable port cover Chassis intrusion switch Contact card reader Data port disablement Fingerprint reader DDPE UEFI Preboot Authentication (PBA) solution for Windows 8 and greater TPM 2.0 FW TPM (Discrete TPM Disabled) for China and Select Global customers Intel Secure Boot (TXT + TPM) BIOS password update via (Dell Command | Configure) Intel's Identity Protection (IPT) Intel Authenticate	**SYSTEMS MANAGEMENT**	WOL non-AMT from LOM, add-in NIC and wireless vPro™ (iAMT 14.x) or greater over wireless Intel® Standard Manageability (ISM) non-vPro™ Intel® Endpoint Management Assistant No OOB Management AMT Enable/Disable through BIOS DASH (through AMT and ISM) OOB Remote BIOS Management and HDD Wipe Dell Command | Integration Suite for SCCM (DCIS) Dell Command | Intel® vPro™ Out of Band (DCIV) Dell Command | Monitor (DCM) CIM configuration features BIOS Configuration through Dell Command | Configure and Dell Command | PowerShell Provider Dell Command | Configure (DCC) AMT Configuration Dell Command | Update (DCU) Dell Command | Deploy (DCD)
STORAGE CONTROLLER	Intel Rapid Storage Technology Intel Management Engine (ME) 12.0 or later	**ADD-IN CARDS**	Serial port PCIe low profile card USB 3.2 Type-C® PCIe card CAC/PIV module

Sustainability on Dell Precision workstations

Dell Precision fixed and mobile workstations are designed with the environment in mind, using sustainable materials in our products and packaging wherever possible.

Up to 5 types

Of recycled or renewable materials used in the components of select Precision Mobile Work Stations[1]:

1st

Precision 5680 is the first Precision Mobile workstation to use low carbon emissions and recycled aluminum[2] in its chassis.

100%

New Precision Mobile Workstations ship in packaging made from 100% recycled or renewable materials and is 100% recyclable[3].

Ecolabels

30+
EPEAT Gold registered products

EPEAT

8.0
ENERGY STAR 8.0 throughout

ENERGY STAR®

Data as of February 2023
1 Based on internal analysis. January 2023. Applies to Precision 3480, 3580 and 3581.
2 Based on internal analysis, March 2023
3 New packaging is made with up to 93.2% recycled content and up to 61.2% renewable content in the form of renewable paper fibers. Material makeup varies by product and size. Excludes optional
items added to order and included in box. Paper packaging materials can be recycled via municipal recycling, where available. System bag is made from recycled plastic and can be recycled along
with other thin plastics.

Product Disclosures:

* 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.

8 Based on a Forrester Study commissioned by Dell Technologies and Intel: The Total Economic Impact of Dell's PC as a Service", November 2020 https://www.delltechnologies.com/asset/en-us/
solutions/business-solutions/industry-market/forrester-the-total-economic-impact-of-dells-pc-as-a-service.pdf

9 Based on a Forrester Total Economic Impact™ Study commissioned by VMware, "The Total Economic Impact™ of VMware Workspace ONE for Windows 10", September 2018. Results from interviews with VMware Workspace ONE customers and/or based on a 12,000-employee composite organization.

10 Based on a Principled Technologies test report, "Spend Less Time and Effort Troubleshooting Laptop Hardware Failures" dated April 2018. Testing commissioned by Dell, conducted in the United States. Actual results will vary. Full report: http://facts.pt/L52XKM

11 Based on Principled Technologies Report commissioned by Dell Technologies, "Deliver pre-configured systems to end users faster with Dell Provisioning for VMware Workspace ONE", January 2019, comparing deployment using Dell Provisioning for Workspace ONE vs. traditional deployment. Results extrapolated to deployment of 1000 systems, a week represents seven full workdays. Actual results will vary.

12 Based on Dell Internal analysis, January 2019.

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

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

16 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.

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

18 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.

19 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.

20 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.

21 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.

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

23 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.

24 Available through Custom Factory Installation Only

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