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Power your
productivity.

DELL Technologies
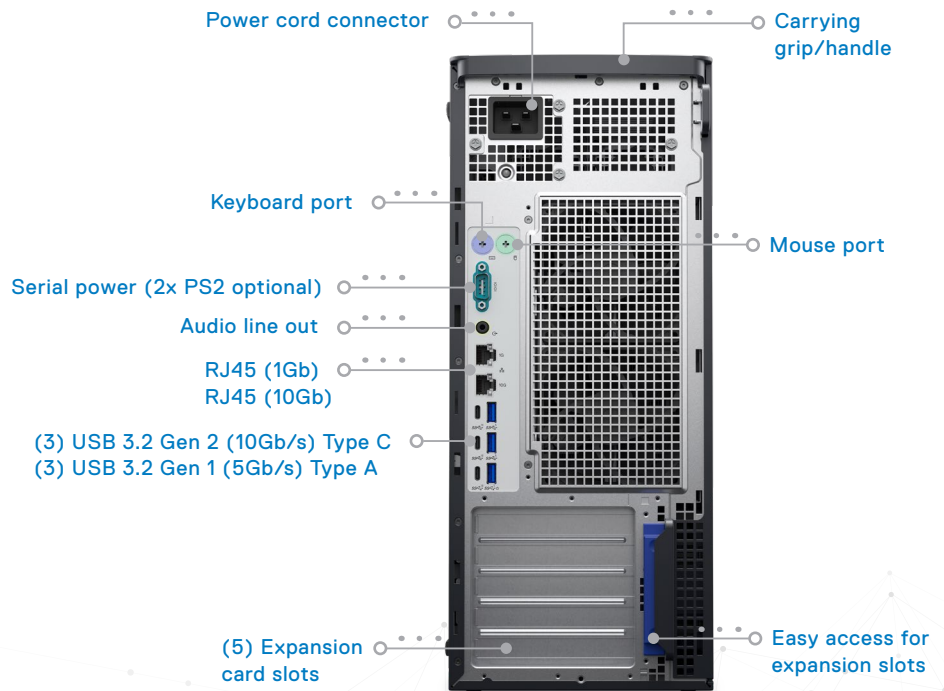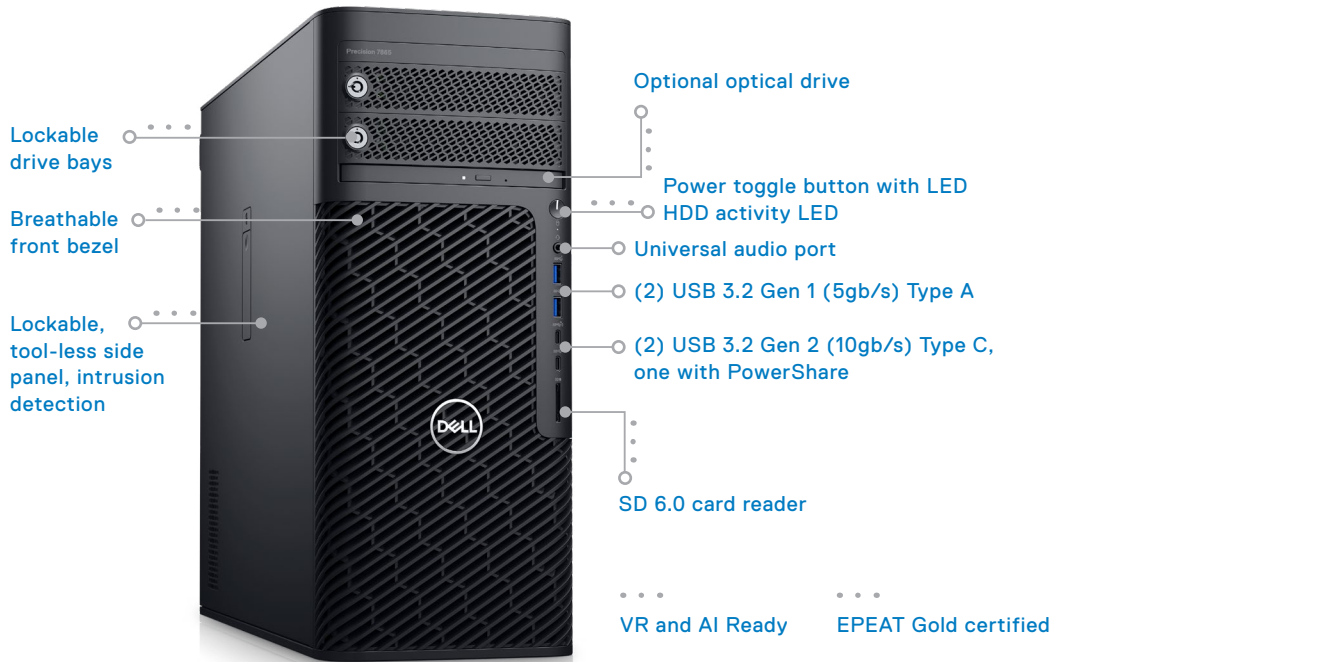
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Power your productivity

Create like a pro on the Precision 7865 Tower featuring the powerful AMD Ryzen Threadripper™ PRO 5000 WX-Series Processor. Equipped with professional graphics and advanced thermals for quieter work.

Lockable drive bays

Breathable front bezel

Lockable, tool-less side panel, intrusion detection

Optional optical drive

Power toggle button with LED
HDD activity LED

Universal audio port

(2) USB 3.2 Gen 1 (5gb/s) Type A

(2) USB 3.2 Gen 2 (10gb/s) Type C, one with PowerShare

SD 6.0 card reader

VR and AI Ready   EPEAT Gold certified

Power cord connector

Carrying grip/handle

Keyboard port

Mouse port

Serial power (2x PS2 optional)

Audio line out

RJ45 (1Gb)
RJ45 (10Gb)

(3) USB 3.2 Gen 2 (10Gb/s) Type C
(3) USB 3.2 Gen 1 (5Gb/s) Type A

(5) Expansion card slots

Easy access for expansion slots

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Intelligent performance

AMD Ryzen Threadripper™ PRO (280W), 12-64 Cores, up to two NVIDIA or AMD Pro 300W graphics, up to 56TB storage, RAID capable and self encrypting options, Ultra-speed card available (up to 16TB), 8x DDR4 RDIMM up to 1TB at 3200MHz, 1350W 80 Plus high efficiency PSU, high speed I/O including optional Thunderbolt™ 3
···
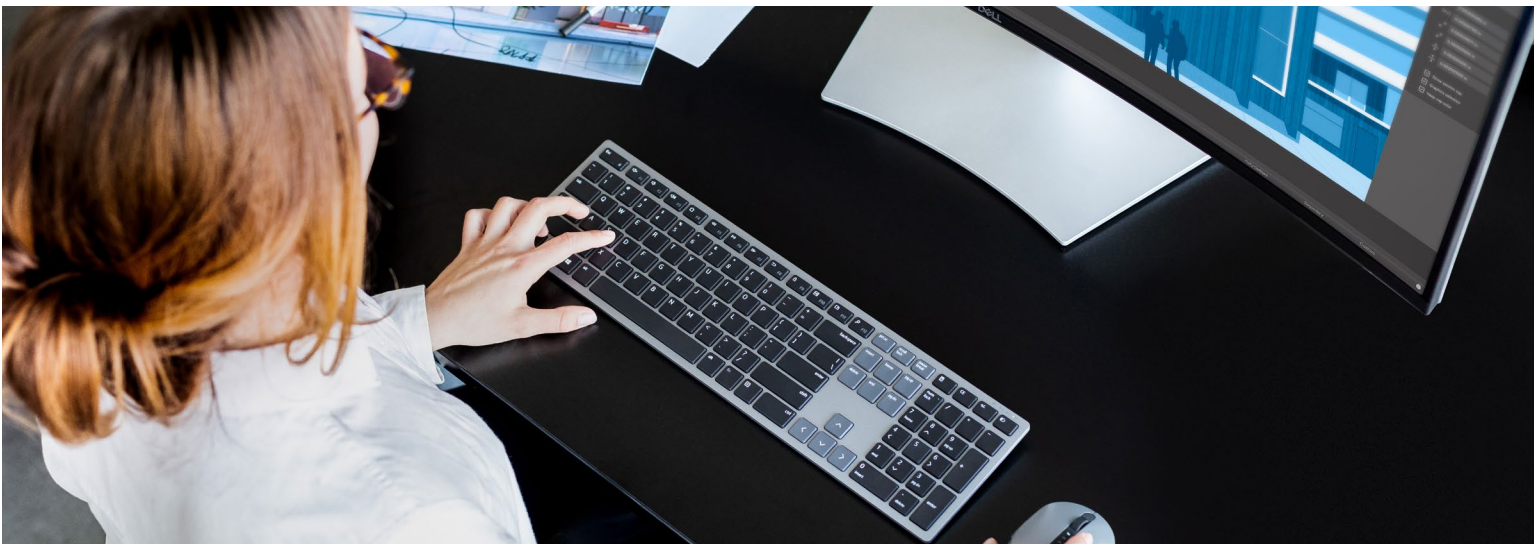Dell Optimizer for Precision

User experience

Front accessible and lockable storage
···
Fast network speeds (1G + 10G Native)
···
USB 3.2 Type C and A ports
···
AMD Advanced Management with DASH
···
Carrying handles

Mission critical reliability and security

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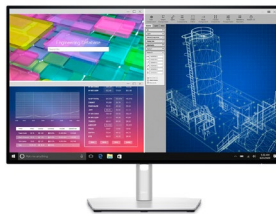TPM 2.0, lockable chassis with intrusion detection, self encrypting drives

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

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 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.

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.

HTC VIVE Cosmos 3D VR Headset - MFG 99HARL000-00 Dell part AA809644

Dive into virtual reality experiences with this HTC VIVE Cosmos 3-D virtual reality headset. A simple design eliminates the need for a base station, while the flip-up display lets you quickly escape to answer calls and texts.

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

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 ExpressResponse[6] 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 features[1]. 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-in[2] – 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, ExpressConnect[3] provides the world's first simultaneous multi-network connection for faster data and video downloads[4]. It also enables joining the best network[5] available and prioritizes traffic for conferencing apps, wherever you work.

Improved performance
ExpressResponse[6] analyzes how you use your preferred apps[7] 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.

Note: Not all of these Dell Optimizer for Precision technologies available on the Precision 7865.

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.

Design

1st

Workstations made with reclaimed carbon fiber and renewable bioplastic[12].

Sustainable Materials

up to 61%

Recycled plastic in fixed workstations and up to 21% in mobile workstations[13]. Oceanbound plastic is also used in the components of select Precisions[14].

Packaging Innovation

100%

Precision mobile workstations ship in packaging made from 100% recycled or renewable materials and is 100% recyclable[15].

ECOLABELS

35+

EPEAT registered products[16]

→ EPEAT

8.0

ENERGY STAR®
throughout the portfolio

→ ENERGY STAR®

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FEATURE / TECHNICAL SPECIFICATION

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER	Precision 7865
PROCESSOR OPTIONS[1]	AMD® Ryzen™ Threadripper™ PRO 5995WX, 256MB cache, 64 cores, 128 threads, 2.7GHz to 4.5GHz, 280W
	AMD® Ryzen™ Threadripper™ PRO 5975WX, 128MB cache, 32 cores, 64 threads, 3.6GHz to 4.5GHz, 280W
	AMD® Ryzen™ Threadripper™ PRO 5965WX, 128MB cache, 24 cores, 48 threads, 3.8GHz to 4.5GHz, 280W
	AMD® Ryzen™ Threadripper™ PRO 5955WX, 64MB cache, 16 cores, 32 threads, 4.0GHz to 4.5GHz, 280W
	AMD® Ryzen™ Threadripper™ PRO 5945WX, 64MB cache, 12 cores, 24 threads, 4.1GHz to 4.5GHz, 280W
OPERATING SYSTEM[1]	Windows 11 Pro, 64-bit
	Windows 11 Pro Downgrade (Windows 10 Pro Image-factory installed)
	Windows 10 CMIT Government Edition, 64-bit (China only)
	Ubuntu® 20.04 LTS, 64-bit
	Red Hat® Enterprise Linux® 8.6
MEMORY OPTIONS[1,2,3]	8GB, 1 x 8GB, DDR4, 3200MHz, ECC
	16GB, 1 x 16GB, DDR4, 3200MHz, ECC
	16GB, 2 x 8GB, DDR4, 3200MHz, ECC
	32GB, 4 x 8GB, DDR4, 3200MHz, ECC
	32GB, 2 x 16GB, DDR4, 3200MHz, ECC
	64GB, 8 x 8GB, DDR4, 3200MHz, ECC
	64GB, 4 x 16GB, DDR4, 3200MHz, ECC
	64GB, 2 x 32GB, DDR4, 3200MHz, ECC
	128GB, 1 x 128GB, DDR4, 3200MHz, ECC
	128GB, 4 x 32GB, DDR4, 3200MHz, ECC
	128GB, 8 x 16GB, DDR4, 3200MHz, ECC
	128GB, 2 x 64GB, DDR4, 3200MHz, ECC
	256GB, 8 x 32GB, DDR4, 3200MHz, ECC
	256GB, 4 x 64GB, DDR4, 3200MHz, ECC
	256GB, 2 x 128GB, DDR4, 3200MHz, ECC
	512GB, 8 x 64GB, DDR4, 3200MHz, ECC
	512GB, 4 x 128GB, DDR4, 3200MHz, ECC
	1024GB, 8 x 128GB, DDR4, 3200MHz, ECC
	1024GB, 8 x 128GB, DDR4, 3200MHz, ECC
	8 DIMM Slots: Up to 128GB per slot
	Maximum speed: 3200MHz
	Maximum capacity: 1TB
PRIMARY HARD DRIVE[1,5]	2.5-inch, 500GB, 7200RPM, SATA, HDD
	3.5-inch, 1TB, 7200RPM, SATA, 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
	M.2 2230, 256GB, PCIe NVMe Gen4 x4, SSD, Class 35
	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
	M.2 2280, 512GB, PCIe NVMe Gen4 x4, SSD, Self-Encrypting, Opal 2.0, FIPS
	M.2 2280, 1TB, PCIe NVMe Gen4 x4, SSD, Self-Encrypting, Opal 2.0, FIPS
GRAPHICS	NVIDIA RTX™ A6000, 48GB GDDR6
	NVIDIA RTX™ A5500, 24GB GDDR6
	NVIDIA RTX™ A4500, 20GB GDDR6
	NVIDIA RTX™ A4000, 16GB GDDR6
	NVIDIA RTX™ A2000, 12GB GDDR6
	NVIDIA T1000, 4GB GDDR6
	NVIDIA T400, 2GB GDDR6
	NVIDIA Quadro® GV100, 32GB HBM2
	AMD Radeon™ Pro W6800, 16GB GDDR6
	AMD Radeon™ Pro W6600, 8GB GDDR6
	AMD Radeon™ Pro W6400, 4GB GDDR6
CASE COLOR	Dell Standard Black
PRODUCTIVITY SOFTWARE[1]	Microsoft Office Home and Business 2021
	Microsoft Office Professional 2021 - 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
	Dell Encryption External Media
	Dell Bitlocker Manager
	Dell SafeGuard and Response VMW Carbonblack Endpoint Standard

FEATURE	TECHNICAL SPECIFICATION
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	**Front:**
	2 USB 3.2 Gen 1 ports
	USB 3.2 Gen 2 Type-C port with PowerShare
	USB 3.2 Gen 2 Type-C port
	Universal audio port
	SD-card slot
	Rear:
	3 USB 3.2 Gen 2 Type-C ports
	2 USB 3.2 Gen 1 ports
	USB 3.2 Gen 1 port with Smart Power On
	RJ45 Ethernet port, 1 GbE
	RJ45 Ethernet port, 10 GbE
	Line-out port
	Serial port (optional)
	2 PS2 ports (optional)
OPTICAL DRIVE	8x DVD-ROM 9.5mm optical drive
	8x DVD+/-RW 9.5mm optical drive
	16x DVD+/-RW half-height optical drive
SLOTS	2 full-height Gen4 PCIe x16 slot
	3 full-height Gen4 PCIe x8 slot
	2 M.2 2230/2280 slots for PCIe NVMe Gen4 SSD
	2 SATA slots for 2.5/3.5-inch HDD/ODD
	2 Externally facing storage flexbays
DIMENSIONS	**US:**
	Height: 16.29in. (414.00mm) / 16.45in. (417.90mm) with rubber foot protruding
	Width: 6.79in. (172.60mm) / 6.94in. (176.50mm) with rubber foot protruding
	Depth: 16.90in. (429.60mm) / 17.79in. (452.10mm) with lock structure protruding
	Weight:
	Maximum: 48.28lbs. (21.90kg) Minimum: 35.5lbs. (16.10kg)
	Rest of the world:
	Height: 414.00mm (16.29in.) / 417.90mm (16.45in.) with rubber foot protruding
	Width: 172.60mm (6.79in.) / 176.50mm (6.94in.) with rubber foot protruding
	Depth: 429.60mm (16.90in.) / 452.10mm (17.79) with lock structure protruding
	Weight:
	Maximum: 21.90kg (48.28lbs.) Minimum: 16.10kg (35.5lbs.)
AUDIO & SPEAKERS[1]	Realtek Audio Controller, ALC4050-CG
	Internal speakers
CHASSIS	Full-size (i.e. medium-size) tower
WIRELESS	Qualcomm® WCN6856-DBS, 2x2 MIMO, 3571Mbps, 2.4GHz/5GHz/6GHz, Wi-Fi 6E (Wi-Fi 802.11ax), Bluetooth 5.2
POWER OPTION	1350W Platinum internal power supply unit
REGULATORY[8,12]	**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

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FEATURE TECHNICAL SPECIFICATION

CHIPSET	AMD® WRX80 Premium
HARDWARE SECURITY	Kensington security-cable slot Padlock loop Chassis lock support - Coin locker Chassis intrusion switch Lockable bezel for externally-facing storage flexbay (included with M.2 NVMe drives, optional with SATA drives) TPM 2.0 Discrete Hardware
RECOMMENDED ACCESSORIES *(SOLD SEPARATELY)*	**Mouse:** 3Dconnexion SpaceMouse Wireless **Cables, Dongles, Adapters:** Dell Adapter - DisplayPort to HDMI 2.0 (4K) **Audio Headsets:** Dell Pro Wireless Headset - WL5022 **Display:** Dell UltraSharp 27 Monitor - U2722D Dell UltraSharp 32 HDR PremierColor Monitor - UP3221Q **Keyboards:** Dell Premier Multi-Device Wireless Keyboard and Mouse - KM7321W **Webcam:** Dell UltraSharp Webcam - WB7022
SYSTEMS MANAGEMENT	Dell Trusted Device agent SW (for intrusion switch) Waves MaxxAudio Pro Support Dell Color Management and Calibration for Monitors Microsoft Windows Bitlocker Manager Support for Encryption SED HDD's (Opal FIPS and non FIPS) Support eDRIVE Storage including RAID PBA support of smart card reader Local HDD data wipe via BIOS ("Secure Erase") BIOS Administrative Password BIOS HDD password option (default off) Windows 10 Device Guard and Credential Guard BIOS Data Port On/Off - Data Port disablement Secure update of pre-boot password(s) via remote BIOS update AMD Turbo Core AMD SMT (Simultaneous Multithreading) AMD-V Technology AMD-Vi Technology AMD Memory Guard Core Performance Boost (CPB) IOMMU (Input-Output Memory Management Unit) AMD Platform Secure Boot AMD fTPM Supporting RPMC Single Root IO Virtualization Support (SR-IOV)
CONFIGURATION SERVICES	Factory image load BIOS customization Hardware customization Asset Tagging and Reporting
ADD-IN CARDS	Intel® Ethernet Network Adapter X710 GbE NIC Card Thunderbolt™ 3 PCIe card Ultra-speed Duo and Ultra-speed Quad storage card Wireless LAN card USB 4.0 Type-C card Zoom 2 Ultra-speed card Zoom 4 Ultra-speed card

Product Disclosures: pages 2-6:

* 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.

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

13 Based on internal analysis, April 2022.

14 Ocean-bound plastic used in the fan and fan housing (13%) on Precision 3260 CFF and the fan housing (28%) on Precision mobile workstations 3570 & 3571.

15 New packaging is made with up to 95% recycled content and up to 22% renewable content in the form of FSC paper fibers. Material make up 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.

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

Product Disclosures: pages 7-8:

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.lojackforlaptops.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/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.

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