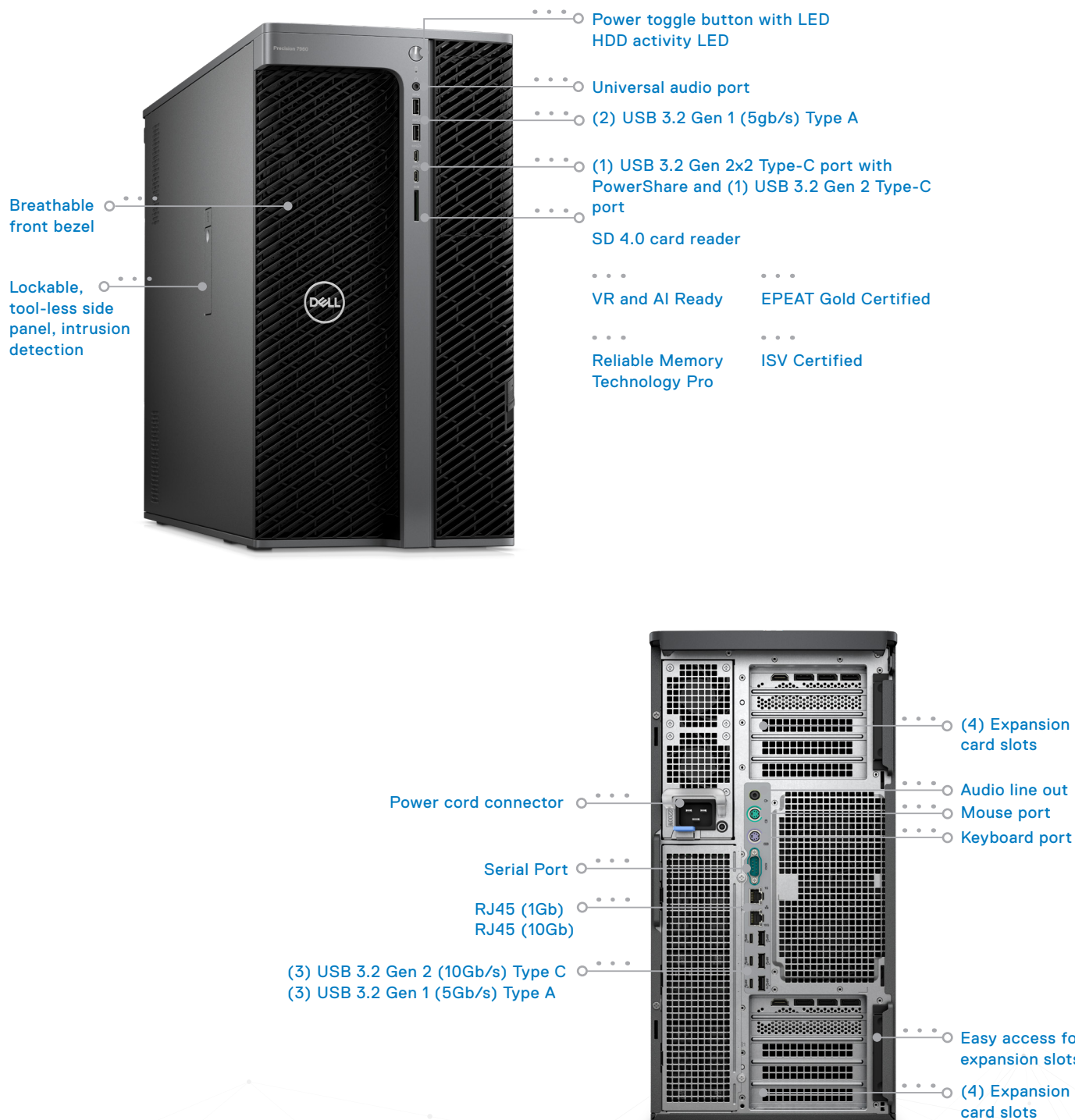PRECISION
7960 Tower
Amplify your
productivity.

PRECISION

7960 Tower

Amplify your productivity

Scale performance to meet your highest requirements, deliver projects with record speeds, while fitting more iterations within your project timelines.

Power toggle button with LED
HDD activity LED

Universal audio port

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

(1) USB 3.2 Gen 2x2 Type-C port with PowerShare and (1) USB 3.2 Gen 2 Type-C port

SD 4.0 card reader

Breathable front bezel

Lockable, tool-less side panel, intrusion detection

VR and AI Ready

EPEAT Gold Certified

Reliable Memory Technology Pro

ISV Certified

(4) Expansion card slots

Power cord connector

Audio line out

Mouse port

Keyboard port

Serial Port

RJ45 (1Gb)
RJ45 (10Gb)

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

Easy access for expansion slots

(4) Expansion card slots

PRECISION
7960 Tower

Intelligent performance

Up to Intel Xeon (350W), 56 cores, AMD or NVIDIA (4x 300W) graphics, 152TB storage, (8) M.2 in FlexBays, (8) PCIe Gen 4/5 slots, 4TB of 4800MHz (DDR5) memory, high speed I/O including optional Thunderbolt™ 4
…
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

Mission critical reliability and security

ISV Certifications
…
ECC with Reliable Memory Technology Pro
…
Advanced thermals
…
TPM 2.0, lockable chassis with intrusion detection, self encrypting drives
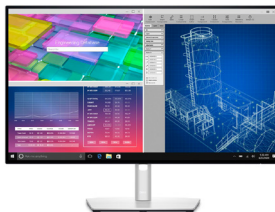
RECOMMENDED ACCESSORIES

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 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.

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.

4

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

7960 Tower

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

In a work-from-anywhere world, powering the world's most intelligent business PCs* is not enough, Dell Optimizer is extending personalized intelligence to the rest of the Dell ecosystem.

Dell Optimizer lets you accomplish anything with built-in intelligence that learns and adapts to the way you work.

Power your productivity with personalized performance extending from your Precision to the devices within your workspace.

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**.

Intelligent analytics
Get full workload analysis to enable users to track system resource utilization for components such as processor, memory, graphics, and hard drive while you run your specific workload.

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

Intelligent privacy anywhere
This technology lets you texturizes your screen when an intruder is detected and dims your PC when you look away. It also wakes your PC when your approach and locks it when you walk away.

Unmatched connectivity
ExpressConnect∗ provides the world's first simultaneous multinetwork connection∗ that joins the best network∗ available.

With Dell Optimizer, optimization and data collection follow a stringent process to ensure your privacy and security.

[Click here to learn more about Dell Optimizer.](#)

Up level audio
Intelligent Audio delivers sound and mic enhancements reducing background noise using neural noise cancellation and voice isolation technology.

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

^ Based on Dell Analysis. October 2022. For more details visit Guide to Bluetooth Security https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-121r2-upd1.pdf Dell Pair is available on select Dell accessories.

Dell Optimizer features vary per PC model and platform. Please refer to the Availability Matrix for more details.

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®**

7960 Tower

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER	Precision 7960
CHIPSET	Intel W790
PROCESSOR OPTIONS[1]	Intel® Xeon® w9-3495X (105MB Cache, 56 cores, 112 threads, 1.9GHz to 4.8GHz Turbo 350W)
	Intel® Xeon® w9-3475X (82.5MB Cache, 36 cores, 72 threads, 2.2GHz to 4.8GHz Turbo 300W)
	Intel® Xeon® w7-3465X (75MB Cache, 28 cores, 56 threads, 2.5GHz to 4.8GHz Turbo 300W)
	Intel® Xeon® w7-3455 (67.5MB Cache, 24 cores, 48 threads, 2.5GHz to 4.8GHz Turbo 270W)
	Intel® Xeon® w7-3445 (52.5MB Cache, 20 cores, 40 threads, 2.6GHz to 4.8GHz Turbo 270W)
	Intel® Xeon® w5-3435X (45MB Cache,16 cores, 32 threads, 3.1GHz to 4.7GHz Turbo 270W)
	Intel® Xeon® w5-3425 (30MB Cache, 12 cores, 24 threads, 3.2GHz to 4.6GHz Turbo 270W)
	Intel® Xeon® w5-3433 (45MB Cache, 16 cores, 32 threads, 2.0GHz to 4.2GHz Turbo 220W)
	Intel® Xeon® w5-3423 (30MB Cache,12 cores, 24 threads, 2.1GHz to 4.2GHz Turbo 220W)
OPERATING SYSTEM[1]	Windows 11 for Workstations Windows 11 Downgrade to Windows 10 22H2 Ubuntu® 22.04, 64-bit Red Hat® Linux® 8.6 Enterprise WS
MEMORY OPTIONS[1,2,3]	16GB, 1 x 16GB, DDR5, 4800MHz, ECC 32GB, 1 x 32GB, DDR5, 4800MHz, ECC 32GB, 2 x 16GB, DDR5, 4800MHz, ECC 64GB, 1 x 64GB, DDR5, 4800MHz, ECC 64GB, 2 x 32GB, DDR5, 4800MHz, ECC 64GB, 4 x 16GB, DDR5, 4800MHz, ECC 96GB, 6 x 16GB, DDR5, 4800MHz, ECC 128GB, 1 x 128GB, DDR5, 4800MHz, ECC 128GB, 2 x 64GB, DDR5, 4800MHz, ECC 128GB, 4 x 32GB, DDR5, 4800MHz, ECC 128GB, 8 x 16GB, DDR5, 4800MHz, ECC 192GB, 6 x 32GB, DDR5, 4800MHz, ECC 192GB, 12 x 16GB, DDR5, 4800MHz, ECC 256GB, 1 x 256GB, DDR5, 4800MHz, ECC 256GB, 2 x 128GB, DDR5, 4800MHz, ECC 256GB, 4 x 64GB, DDR5, 4800MHz, ECC 256GB, 16 x 16GB, DDR5, 4800MHz, ECC 384GB, 6 x 64GB, DDR5, 4800MHz, ECC 384GB, 12 x 32GB, DDR5, 4800MHz, ECC 512GB, 2 x 256GB, DDR5, 4800MHz, ECC 512GB, 4 x 128GB, DDR5, 4800MHz, ECC 512GB, 8 x 64GB, DDR5, 4800MHz, ECC 512GB, 16 x 32GB, DDR5, 4800MHz, ECC 768GB, 6 x 128GB, DDR5, 4800MHz, ECC 768GB, 12 x 64GB, DDR5, 4800MHz, ECC 1 TB, 4 x 256GB, DDR5, 4800MHz, ECC 1 TB, 8 x 128GB, DDR5, 4800MHz, ECC 1 TB, 16 x 64GB, DDR5, 4800MHz, ECC 1.5 TB, 6 x 256GB, DDR5, 4800MHz, ECC 1.5 TB, 12 x 128GB, DDR5, 4800MHz, ECC 2 TB, 8 x 256GB, DDR5, 4800MHz, ECC 2 TB, 16 x 128GB, DDR5, 4800MHz, ECC 3 TB, 12 x 256GB, DDR5, 4800MHz, ECC 4 TB, 16 x 256GB, DDR5, 4800MHz, ECC
BOOT DRIVES[1,5]	16 DIMM slots across 8 Memory Channels Memory clocks down to 4400MHz in configurations with 2 DIMMs per channel 128GB and 256GB RDIMMs are available post launch 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
DRIVES[1,5]	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 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 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

FEATURE	TECHNICAL SPECIFICATION
STORAGE CONTROLLERS	**Integrated:** Intel chipset 6Gb/s SATA controller supporting up to 8 ports for SATA HDD/SSD. 1 port for optical drive. Intel vROC SW SATA RAID 0,1,5,10 supported across up to 8 SATA ports Integrated Intel chipset controller supports up to 8 M.2 NVMe drives in 4 externally-facing FlexBays or up to 8 M.2 NVMe drives in 2 Dell Ultra-Speed Drive Quad x16 PCIe cards. **Optional** Intel vROC Standard SW NVMe RAID 0,1,10 option - (motherboard activation key) for M.2 NVMe PCIe SSDs in FlexBays or on Ultra-Speed Drive Quad x16 or Duo x8 card (0,1). Maximum 4 drives per RAIDset. Supports 2 FlexBay NVMe RAIDsets - up to 4 drives in front and up to 4 drives in rear Flexbays, **Optional** Intel vROC Premium SW NVMe RAID 0,1,5,10 option adds RAID 5 **Optional** MegaRAID 9660* SATA/SAS HW RAID controller. RAID 0,1,5,10. Supports up to 10 SATA/SAS drives or up to 4 M.2 NVMe drives in front FlexBays. * Available post launch **Optional** MegaRAID 9540 SATA/SAS RAID controller. RAID 0,1,10. Supports up to 8 SATA/SAS drives
GRAPHICS	NVIDIA RTX™ 6000 ADA 48GB GDDR6 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 AMD Radeon™ Pro W6800, 32GB 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
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, 1GBE RJ45 Ethernet port, 10GBE Line-out port Serial port 2 PS2 ports
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 Gen5 PCIe x16 slots 2 full-height Gen4 PCIe x16 slots 2 full-height Gen4 PCIe x8 slots 2 full-height, half length Gen4 PCIe x8 slots wired as x4 electrically 8 Externally facing (4 front, 4 rear) drive bays with optical drive configuration 10 Externally facing (6 front, 4 rear) drive bays without optical drive configuration Up to 8 M.2 NVMe drives (4 in front, 4 in rear)

7960 Tower

FEATURE TECHNICAL SPECIFICATION

DIMENSIONS
US
Height: 16.96in. (430.70mm) / 17.09in. (434.20mm) with runner feet
Width: 8.58in. (218.00mm)
Depth: 21.19in. (538.30mm) / 22.41in. (569.15mm) with lock structure

Weight: Maximum: 82.82lbs. (37.56kg)Typical: 52.50lbs. (23.81kg) Minimum: 46.39lbs. (21.04kg)

Rest of the world
Height: 430.70mm (16.96in.) / 434.20mm (17.09in.) with runner feet
Width: 218.00mm (8.58in.)
Depth: 538.30mm (21.19in.) / 569.15mm (22.41in.) with lock structure

Weight: Maximum: 37.56kg (82.82lbs.) Typical: 23.81kg (52.50lbs.)Minimum: 21.04kg (46.39lbs.)

AUDIO & SPEAKERS[1]
Realtek ALC3246-CGT Internal Speakers

CHASSIS
Full-size tower - 19" Rack Mount Kit available (Takes 5U rack space)

WIRELESS
Qualcomm® WCN6856-DBS, 2x2 MIMO, 3571Mbps, 2.4GHz/5GHz/6GHz, Wi-Fi 6E (Wi-Fi 802.11ax), Bluetooth 5.2

POWER SUPPLIES
1100W (for AC input voltage of 108VAC - 180VAC) 1400W (input voltage 181VAC - 240VAC) –90% efficient (80PLUS Gold Certified).
1500W (for AC input voltage of 108VAC - 180VAC) 2200W (input voltage 181VAC - 240VAC) –90% efficient (80PLUS Platinum Certified). 1500W/2200W PSUs have C19 AC cord and require 20A circuit @115V or a 220V circuit
Externally accessible/removable/lockable

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

HARDWARE SECURITY
Kensington security-cable slot
Padlock loop
Chassis lock support - Coin locker
Chassis intrusion switch
Optional lockable bezels for externally- facing front and rear storage FlexBays
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

CONFIGURATION SERVICES
Factory image load
BIOS customization
Hardware customization
Asset Tagging and Reporting

ADD-IN CARDS
Intel® Ethernet Network Adapter X710GBE NIC Card
Intel® Ethernet Network Adapter i225 2.5GBE NIC Card
Thunderbolt™ 4 PCIe card
Dell Precision Ultra-Speed Drive Quad (x16) and Duo (x8) PCIe cards support M.2 NVMe drives with active cooling with up to 4 and 2 NVMe drives respectively
Broadcom MegaRAID 9540 SATA/SAS RAID controller
Broadcom MegaRAID 9660 * SATA/SAS HW RAID controller (also supports up to 4 M.2 NVMe drives in front FlexBays.) * *Post launch*
Qualcomm® WCN6856-DBS Wi-FI 6E, Bluetooth 5.3 wireless LAN card
USB 3.1 PCIe 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.

DELLTechnologies