PRECISION

7960 Tower

Amplify your productivity.
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**
- **VR and AI Ready**
- **EPEAT Gold Certified**
- **Reliable Memory Technology Pro**
- **ISV Certified**
- **Lockable, tool-less side panel, intrusion detection**
- **Breathable front bezel**
- **(4) USB 3.2 Gen 2 (10Gb/s) Type C**
- **(3) USB 3.2 Gen 1 (5Gb/s) Type A**
- **(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**
- **Serial Port**
- **RJ45 (1Gb)**
- **RJ45 (10Gb)**
- **Audio line out**
- **Mouse port**
- **Keyboard port**
- **Easy access for expansion slots**
- **(4) Expansion card slots**
Précision 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

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**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 backlight 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.

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

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.

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

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

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.

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.

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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

**Sustainable Materials**

up to 61%

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

**Packaging Innovation**

100%

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

**ECOLABELS**

35+

EPEAT registered products

8.0

ENERGY STAR throughout the portfolio
## Precision 7960 Tower

### Feature Technical Specification

<table>
<thead>
<tr>
<th>Feature</th>
<th>Technical Specification</th>
</tr>
</thead>
</table>
| **Processor Options** | Intel® Xeon® w/w-3475X (105MB Cache, 56 cores, 112 threads, 1.9GHz to 4.2GHz Turbo 350W)  
  Intel® Xeon® w/w-3475X (82.5MB Cache, 36 cores, 72 threads, 2.3GHz to 4.1GHz Turbo 300W)  
  Intel® Xeon® w/w-3445 (75MB Cache, 28 cores, 56 threads, 2.5GHz to 4.2GHz Turbo 300W)  
  Intel® Xeon® w/w-3445 (675MB Cache, 24 cores, 48 threads, 2.5GHz to 4.2GHz Turbo 270W)  
  Intel® Xeon® w/w-3425 (52.5MB Cache, 20 cores, 40 threads, 2.6GHz to 4.2GHz Turbo 270W)  
  Intel® Xeon® w/w-3425 (45MB Cache, 16 cores, 32 threads, 3.1GHz to 4.7GHz Turbo 270W)  
  Intel® Xeon® w/w-3425 (30MB Cache, 12 cores, 24 threads, 3.2GHz to 4.6GHz Turbo 270W)  
  Intel® Xeon® w/w-3425 (18MB Cache, 10 cores, 20 threads, 2.9GHz to 4.2GHz Turbo 220W)  
  Intel® Xeon® w/w-3423 (12MB Cache, 8 cores, 16 threads, 2.5GHz to 4.1GHz Turbo 220W)  
  Intel® Xeon® w/w-3423 (9MB Cache, 6 cores, 12 threads, 2.0GHz to 3.6GHz Turbo 190W) |
| **M.2 2280 Drives** | M.2 2280, 2TB, PCIe NVMe Gen4 x4, SSD, Class 40  
  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, 512GB, PCIe NVMe Gen4 x4, SSD, Class 40  
  M.2 2280, 1TB, PCIe NVMe Gen4 x4, SSD, Class 40  
  M.2 2280, 512GB, PCIe NVMe Gen4 x4, SSD, Class 40 |
| **3.5-inch Drives** | 2.5-inch, 1.2TB, 7200RPM, SATA, Enterprise HDD  
  2.5-inch, 1TB, 7200RPM, SATA, Enterprise HDD  
  2.5-inch, 870GB, 10,000RPM, SAS, Enterprise HDD  
  2.5-inch, 730GB, 10,000RPM, SAS, Enterprise HDD  
  2.5-inch, 500GB, 15,000RPM, SAS, Enterprise HDD  
  2.5-inch, 300GB, 15,000RPM, SAS, Enterprise HDD  |
| **2.5-inch Drives** | 2.5-inch, 600GB, 15,000RPM, SAS, Enterprise HDD  
  2.5-inch, 1.2TB, 10,000RPM, SAS, Enterprise HDD  
  2.5-inch, 720GB, 7200RPM, SATA, Enterprise HDD  
  2.5-inch, 320GB, 7200RPM, SATA, Enterprise HDD  
  2.5-inch, 190GB, 5400RPM, SATA, Enterprise SSD  
  2.5-inch, 100GB, 5400RPM, SATA, Enterprise SSD |
| **Optical Drive** | 8x DVD-ROM 9.5mm optical drive  
  8x DVD+/-RW 9.5mm optical drive  
  8x DVD+/-RW half-height optical drive |
| **SLOTS** | 2 full-height Gen5 PCIe x4 slots  
  2 full-height Gen4 PCIe x8 slots  
  2 full-height Gen4 PCIe x16 slots  
  2 full-height, half length Gen4 PCIe x8 slots wired as x4 electrically |

### Storage Controllers

- Integrated: Intel® chipsets 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® chipsets supports up to 8 M.2 NVMe drives in 4 externally-facing FlexBays or up to 4 M.2 NVMe drives in 2 Dell Ultra-Speed Drive Quad x4 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 x4 on Dual x8 card (0.1).
- Maximum 4 drives per RAIDSet. Supports 2 FlexBay NVMe RAIDSets - up to 4 in front and up to 4 in rear FlexBays.
- Optional Intel® vROC Premium SW NVMe RAID 0,1,5,10 option adds RAID 5

Optional:
- MegaRAID 9280* 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 9450-8 SATA/SAS RAID controller. RAID 0,1,10. Supports up to 8 SATA/SAS drives

**Graphics**

- NVIDIA RTX™ 6000: A4000, 48GB GDDR6  
  A4000, 24GB GDDR6  
  A4000, 16GB GDDR6  
  A4000, 12GB GDDR6  
  A4000, 8GB GDDR6  
  A4000, 4GB GDDR6  
  AMD Radeon™ Pro WX9100, 32GB GDDRX  
  AMD Radeon™ Pro WX7100, 256GB GDDRX  
  AMD Radeon™ Pro WX5100, 256GB GDDRX  
  AMD Radeon™ Pro WX4100, 256GB GDDRX  
  NVIDIA RTX™ A6000, 48GB GDDRX  
  NVIDIA RTX™ A5000, 24GB GDDRX  
  NVIDIA RTX™ A4000, 16GB GDDRX  
  NVIDIA RTX™ A2000, 12GB GDDRX  
  NVIDIA T7000, 4GB GDDRX  
  NVIDIA T400, 2GB GDDRX

**Security Software**

- McAfee® Small Business Security 30-Day Free Trial  
  McAfee® Small Business Security 12-month subscription  
  Dell Endpoint Protection  
  Dell Encryption Enterprise  
  Dell Encryption External Media  
  Dell Bitlocker Manager  
  Dell SafeGuard and Response VM  
  CarbonBlack Endpoint Standard

**Warranty**

- 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  
  5-year ProSupport with Next Business Day on-site service  
  4-year ProSupport 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

**Services**

- 3-year Basic Warranty Service  
  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, 10GBase  
  RJ45 Ethernet port, 10GBASE  
  Line-out port  
  Serial port  
  2 PS2 ports

**Optical Drive**

- 8x DVD-ROM 9.5mm optical drive  
  8x DVD+/-RW 9.5mm optical drive  
  8x DVD+/-RW half-height optical drive

**Slots**

- 2 full-height Gen5 PCIe x8 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 without 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)
## Technical Specification

### Feature

<table>
<thead>
<tr>
<th>DIMENSIONS</th>
<th>US</th>
<th>Rest of the world</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>19.089 in. (48.907 mm) / 17.029 in. (43.240 mm) with runner feet</td>
<td>43.070 in. (109.337 mm) / 43.420 in. (109.792 mm) with runner feet</td>
</tr>
<tr>
<td>Width</td>
<td>8.581 in. (218.000 mm)</td>
<td>21.190 in. (538.296 mm) / 22.410 in. (569.038 mm) with lock structure</td>
</tr>
<tr>
<td>Depth</td>
<td>21.909 in. (556.500 mm) / 22.441 in. (569.855 mm) with lock structure</td>
<td>538.300 mm (21.190 in.) / 569.150 mm (22.441 in) with lock structure</td>
</tr>
<tr>
<td>Weight</td>
<td>Maximum: 82.82 lbs. (37.62 kg); Typical: 52.50 lbs. (23.81 kg); Minimum: 46.39 lbs. (21.04 kg)</td>
<td>Maximum: 37.56 kg (82.82 lbs.); Typical: 23.81 kg (52.50 lbs.); Minimum: 21.04 kg (46.39 lbs.)</td>
</tr>
</tbody>
</table>

### Audio & Speakers

- Realtek ALC3246-CGT Internal Speakers

### Chassis

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

### Wireless

- Qualcomm® WCN6856-DBS, 2x2 MIMO, 3.5GHz/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 requires 20A circuit @115V or a 220V circuit External accessible/lockable/lockable

### Regulatory


### 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 Due (x8) PCIe cards support M.2 NVMe drives with active cooling with up to 4 and 2 NVMe drives respectively
- Broadcom MegaRAID 9560 * SATA/SAS RAID controller
- Broadcom MegaRAID 9660 * SATA/SAS HDD 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.


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

9. Based on internal analysis, April 2022.

10. 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.

11. 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.

12. 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 and TB 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.