

**DELL**Technologies



# Unlock your true potential.

Dell Precision 7875 XL Tower

Dell Technologies is the world's number one workstation company\*

\*\*Based on IDC Workstation Tracker, Q2 CY 23.

# Gain warp speed productivity.

## OEM XL

Sharpen your competitive edge. Focus on innovation versus technology churn with an up to 18-month managed product transition with locked and stable key components and up to six months in-advance visibility to key product changes.



### Exceptional performance

Gain incredible performance for your applications with the latest AMD Ryzen™ Threadripper Pro processor, featuring up to 96 cores. The 7875 Tower also boasts up to (2) 300W graphic cards, 56TBs of storage and 2TB of DDR5 memory.

### Mission critical reliability

All Dell Precision workstations are tested and certified by independent software vendors to ensure reliable performance. Also, features ECC memory and our popular Reliable Memory Technology Pro software to reduce memory related errors.

### Advanced security

Reduce the attack surface of your fleet with the industry's most secure commercial PCs\*. Rigorous supply chain controls ensure PCs are secure from first boot, while unmatched hardware security keeps devices protected in-use.

# Dell Optimizer for Precision



Dell Optimizer is our AI-based optimization software that learns and responds to the way you work, designed to automatically improve application and device performance, PC and accessory battery run-time, audio/video settings and privacy – all in the background while you're working.

## Boost productivity up to 28% on routine tasks<sup>1</sup>

Application Optimization analyzes how you use your preferred apps to increase performance, helping you handle tasks efficiently.

## Get up to 18% in power savings<sup>2</sup>

Save energy without sacrificing performance for ultimate efficiency with Power Optimization. Achieve power savings when you set your PC to Quiet Mode on your thermal management settings – giving you up to 2.4 watts of power savings compared to default mode.\*

## Experience 2x faster network performance<sup>1</sup>

Network Optimization provides the world's first simultaneous multi-network connection for faster data and video downloads<sup>3</sup>, and joins the best network<sup>4</sup> available.

## Access personalized insights

Our Analytics feature monitors the utilization of your PC by analyzing your system's battery, storage, CPU, and memory behavior to review your system's reliability and problem history.

## Enhanced audio

Intelligent Audio senses your surroundings and improves the conferencing experience by removing unwanted sounds, alerts you when your voice quality is poor, and provides a better collaboration experience for you and all call participants.

## 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.

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

1. Based on A Principled Technologies Report that ran PC performance benchmarks on Dell Latitude 9430 laptops and OptiPlex 7400 all-in-one desktop PCs: Improve PC app performance, battery charging, and end-user experiences with Dell Optimizer, June 2023

2. This is based on a Dell internal study, testing power and performance within our Dell Optimizer power module. White paper published November 2022 <https://www.delltechnologies.com/asset/en-us/solutions/business-solutions/industry-market/maximizing-power-efficiency-with-dell-optimizer-a-case-study.pdf>

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

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

# Dell Technologies, highest core count available in a Precision workstation.<sup>1</sup>

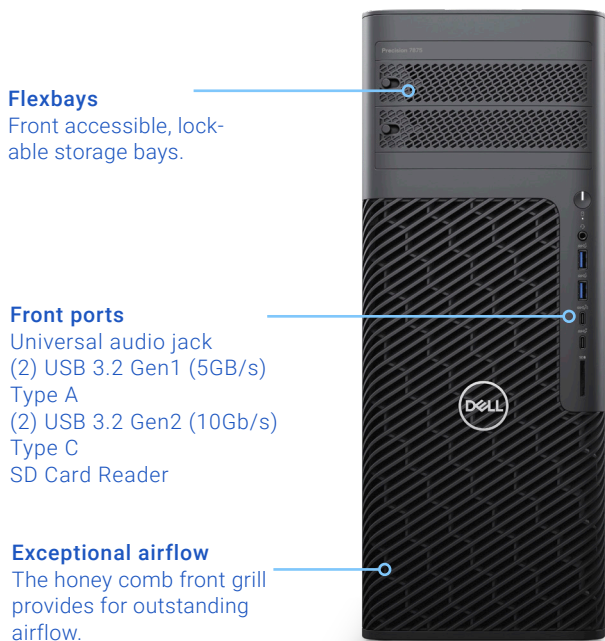
## Intelligent Performance

- AMD Ryzen Threadripper Pro processor, up to 96 cores,
- Up to (2) 300W (or single 500W triple-wide) NVIDIA or AMD graphic cards
- Up to 56TBs of storage
- 2TB of 4800MHz, DDR5 memory.

-Dell Optimizer for Precision AI-based software that learns how you work to optimize the performance of your workstation.

## Secure your workspace with layers of security

- Off-host BIOS and firmware verification
- Front accessible, lockable and remove-able storage
- Lockable chassis with intrusion detection
- Self-encrypting drive
- Security cable slot
- Dedicated security chip for storing and processing end-user credentials with TPM 2.0 / ControlVault



**Flexbays**  
Front accessible, lockable storage bays.

**Front ports**  
Universal audio jack  
(2) USB 3.2 Gen1 (5GB/s) Type A  
(2) USB 3.2 Gen2 (10Gb/s) Type C  
SD Card Reader

**Exceptional airflow**  
The honey comb front grill provides for outstanding airflow.



**Advanced thermal design**

**BACK PORTS**  
(2) PS2 (optional) - for wired keyboard and mouse  
Serial (optional)  
Audio line out  
(2) RJ45 (1) 1Gb, (1) 10Gb  
(3) USB 3.2 Gen1 (5Gb/s) Type A  
(3) USB 3.2 Gen2 (10Gb/s) Type C

**Massive expandability**  
Scale your system to meet your workloads with 6 expansion slots.

## Reliability

- Error Correcting Code (ECC) memory
- Reliable Memory Technology Pro
- ISV Certifications

## Sustainability

- Some packaging and product components include recycled materials.

▶ [Click here to see the 360 view of the Precision 7875 Tower](#)

\* Dell monitors are #1 Worldwide for 8 years (2014 to 2022)! Source: IDC Worldwide Quarterly PC Monitor Tracker, Q4 2022



# Sustainability on Dell Precision 7875 XL Tower

## Built with sustainable materials

This Precision workstation incorporates up to 52% post-consumer recycled plastic content in its construction, including closed-loop plastic.

## Packaging innovation

Ships in packaging made with at least 95.8% recycled or renewable content.\*

## Environmental Certifications & Registrations

Meeting the following environmental standards helps customers trust our sustainability efforts and see how our products adhere to energy-efficiency specifications and other climate-related standards.



See how we are reducing the impact of our products and solutions  
[Dell.com/Sustainable-Devices](https://Dell.com/Sustainable-Devices)

\*48.3 % recycled content and 47.5% renewable materials in the form of sustainably sourced fibers. Percentages may vary slightly by region. Excludes optional items added to order and included in box.

# Recommended Accessories

Designed, tested and certified to work seamlessly together with Dell systems. We offer full productivity and collaboration solutions.



**Dell UltraSharp 27 4K  
USB-C Hub Monitor | U2723QE**

Be your most productive on a 27 inch monitor with brilliant color and contrast that features the industry's first IPS Black technology and a connectivity hub.<sup>1</sup>



**Dell UltraSharp 32 HDR PremierColor  
Monitor | UP3221Q**

Create in HDR on the world's first professional monitor with 2K mini-LED backlit direct dimming zones.<sup>2</sup>



**Dell Dual Monitor Arm | MDA20**

Quickly install this Dell Dual Monitor Arm – MDA20 for a comprehensive monitor and system mounting solution.



**Dell UltraSharp Webcam | WB7022**

Elevate your video conferencing experience on this powerful, intelligent 4K webcam that optimizes your visuals with a large 4K Sony STARVIS™ CMOS sensor and AI Auto-Framing.



**Dell Slim Conferencing Soundbar |  
SB522A**

Stay focused on your conversations with the world's first Microsoft Teams-certified soundbar with AI noise-cancellation.<sup>3</sup>



**Dell Premier Multi-Device Wireless  
Keyboard and Mouse | KM7321W**

Multi-task seamlessly across 3 devices with this premium full-sized keyboard and sculpted mouse combo with programmable shortcuts and 36 months battery life.<sup>4</sup>



**HTC VIVE Pro 2 | Virtual Reality Headset**

Next-level graphics and sound for riveting PC-VR. Purposeful and pragmatic ergonomics delivers smooth and comfortable immersion.



**3Dconnexion SpaceMouse Enterprise |  
3DX-700056**

Create an unequalled 3D navigation experience with the most ergonomically designed product 3Dconnexion has ever created.

▶ [Explore solutions for the Future of Work](#)

1. Based on Dell analysis of comparable monitors, June 2020.

2. Based on Dell analysis of publically available data, July 2020.

3. Most intelligent\* based on the Dell Slim Conferencing Soundbar being the only Microsoft Teams certified soundbar with AI noise-cancellation. Based on comparative analysis of Microsoft Teams-certified soundbars – August, 2022

4. Based on Dell analysis of battery life usage model calculations, Nov. 2020. Results may vary based on usage and conditions.

**FEATURE**

**TECHNICAL SPECIFICATION**

**MODEL NUMBER<sup>1</sup>**

Precision 7875 XL Tower

**PROCESSOR OPTIONS<sup>1</sup>**

AMD® Ryzen™ Threadripper™ Pro 7995WX, 96 cores, 192 threads, 2.50 GHz to 5.15 GHz, 350 W  
 AMD® Ryzen™ Threadripper™ Pro 7985WX, 64 cores, 128 threads, 3.20 GHz to 5.35 GHz, 350 W  
 AMD® Ryzen™ Threadripper™ Pro 7975WX, 32 cores, 64 threads, 4.0 GHz to 5.35 GHz, 350 W  
 AMD® Ryzen™ Threadripper™ Pro 7965WX, 24 cores, 48 threads, 4.20 GHz to 5.35 GHz, 350 W  
 AMD® Ryzen™ Threadripper™ Pro 7955WX, 16 cores, 32 threads, 4.50 GHz to 5.35 GHz, 350 W  
 AMD® Ryzen™ Threadripper™ Pro 7945WX, 12 cores, 24 threads, 4.70 GHz to 5.35 GHz, 350 W

**OPERATING SYSTEM<sup>1</sup>**

Windows 10 22H2  
 Windows 11 SV1  
 Windows 11 SV2  
 Ubuntu® 22.04 LTS, 64-bit  
 Ubuntu® 20.04 LTS, 64-bit  
 Red Hat® Enterprise Linux® 9.3

**MEMORY OPTIONS<sup>1,2,3</sup>**

16 GB: 1 x 16 GB, DDR5, 4800 MT/s, ECC  
 32 GB: 2 x 16 GB, DDR5, 4800 MT/s, ECC  
 64 GB: 4 x 16 GB, DDR5, 4800 MT/s, ECC  
 64 GB: 2 x 32 GB, DDR5, 4800 MT/s, ECC  
 128 GB: 8 x 16 GB, DDR5, 4800 MT/s, ECC  
 128 GB: 4 x 32 GB, DDR5, 4800 MT/s, ECC  
 256 GB: 8 x 32 GB, DDR5, 4800 MT/s, ECC  
 256 GB: 4 x 64 GB, DDR5, 4800 MT/s, ECC  
 512 GB: 8 x 64 GB, DDR5, 4800 MT/s, ECC  
 512 GB: 4 x 128 GB, DDR5, 4800 MT/s, ECC  
 768 GB: 6 x 128 GB, DDR5, 4800 MT/s, ECC  
 1024 GB: 8 x 128 GB, DDR5, 4800 MT/s, ECC  
 1024 GB: 4 x 256 GB, DDR5, 4800 MT/s, ECC  
 1536 GB: 6 x 256 GB, DDR5, 4800 MT/s, ECC  
 2048 GB: 8 x 256 GB, DDR5, 4800 MT/s, ECC  
 8 DIMM Slots: Up to 256 GB per slot  
 Maximum speed: 4800 MT/s, ECC and 5200 MT/s, ECC (Supported with 5600 module)  
 Maximum capacity: 2 TB

**POWER**

1350 W Platinum internal power supply unit (C20 inlet)  
 1000 W Platinum internal power supply unit (C14 inlet)

**GRAPHICS<sup>1,13</sup>**

NVIDIA:  
 NVIDIA® RTX™ A6000-Ada, 48 GB DDR6  
 NVIDIA® RTX™ A5000-Ada, 24 GB GDDR6 - (Available post-launch)  
 NVIDIA® RTX™ 4000-Ada, 20 GB GDDR6 - (Available post-launch)  
 NVIDIA® RTX™ 2000-Ada, 12GB GDDR6 - (Available post-launch)  
 NVIDIA® RTX™ A6000, 48 GB GDDR6  
 NVIDIA® RTX™ A4000, 16 GB GDDR6  
 NVIDIA® RTX™ A2000, 12 GB GDDR6  
 NVIDIA® T1000, 8 GB DDR6  
 NVIDIA® T400, 4 GB DDR6

AMD:  
 AMD Radeon™ Pro W7900, 48 GB GDDR6 - (Available post-launch)  
 AMD Radeon™ Pro W7700, 16 GB GDDR6 - (Available post-launch)  
 AMD Radeon™ Pro W7600, 8 GB GDDR6  
 AMD Radeon™ Pro W7500, 8 GB GDDR6  
 AMD Radeon™ Pro W6400, 4 GB GDDR6  
 AMD Radeon™ Pro W6300, 2 GB GDDR6

Note: Precision 7875 XL Tower does not support integrated graphic card.

**PRODUCTIVITY SOFTWARE**

Microsoft Office Home and Business Commercial  
 Microsoft Office 2021 Professional Commercial  
 Dell Optimizer for Precision

**WIRELESS**

Qualcomm WCN6856-DBS, 2x2 MIMO, 3571 Mbps, 2.4 GHz/5 GHz/6 GHz, Wi-Fi 6E (Wi-Fi 802.11ax), Bluetooth 5.3 wireless card

**STORAGE OPTIONS**

12 TB, 7200 RPM, 3.5-inch, SATA, HDD  
 8 TB, 7200 RPM, 3.5-inch, SATA, HDD  
 4 TB, 7200 RPM, 3.5-inch, SATA, HDD  
 2 TB, 7200 RPM, 3.5-inch, SATA, HDD  
 1 TB, 7200 RPM, 3.5-inch, SATA, HDD  
 2.4 TB, 10000 RPM, 2.5-inch, SAS Enterprise Drive, HDD  
 1.2 TB, 10000 RPM, 2.5-inch, SAS Enterprise Drive, HDD  
 600 GB, 15000 RPM, 2.5-inch, SAS Enterprise Drive, HDD  
 M.2 2280, 4 TB, PCIe NVMe Gen4 x4, SSD, Class 40  
 M.2 2280, 2 TB, PCIe NVMe Gen 4 x4, SSD, Class 40  
 M.2 2280, 1 TB, PCIe NVMe Gen4 x4, SSD, Class 40  
 M.2 2280, 512 GB, PCIe NVMe Gen4 x4, SSD, Class 40  
 M.2 2280, 1 TB, PCIe NVMe Gen4 x4, SED, Class 40  
 M.2 2280, 512GB, PCIe NVMe Gen 4 x4, SED, Class 40  
 M.2 2230, 256 GB, PCIe NVMe Gen4 x4, SSD, Class 35  
 M.2 2230, 256 GB, PCIe NVMe Gen4 x4, SED, Class 35

**OPTICAL DRIVE OPTIONS**

No optical drive  
 8x DVD-ROM 9.5 mm optical drive  
 8x DVD+/-RW 9.5 mm optical drive  
 16x DVD+/-RW half-height optical drive



**FEATURE TECHNICAL SPECIFICATION**

**PORTS & SLOTS**

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  
 Headset (headphone and microphone combo) port

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)

Expansion:  
 1 full-height Gen5 PCIe x16 slot  
 Full-height Gen4 PCIe x16 slot  
 (2) Full-height Gen4 PCIe x8 slots  
 Full-height Gen5 PCIe x8 slot  
 Full-height Gen4 PCIe x8 slot (x4 electrical)

SATA:  
 (2) SATA 3.0 slots for 3.5-inch/2.5-inch hard drive  
 (2) SATA 3.0 slots for externally facing storage flexbay  
 SATA 3.0 slot for optical drive

M.2:  
 (2) M.2 2230/2280 slots for PCIe NVMe Gen4 solid-state drive  
 (2) M.2 2230/2280 slots for externally facing PCIe NVMe Gen4 storage flexbays  
 SD-card slot (front)

**AUDIO**

Realtek Audio Controller, ALC3246  
 1 internal speaker

**DIMENSIONS**

**US**  
 Height: 17.42 in. (442.70 mm) / 17.58 in. (446.60 mm) with rubber foot protruding  
 Width: 6.79 in. (172.60 mm) / 6.94 in. (176.50 mm) with rubber foot protruding  
 Depth: 18.30 in. (465.00 mm) / 19.19 in. (487.50 mm) with lock structure protruding  
**Weight:** Maximum: 56.34 lb (25.57 kg) Minimum: 40.39 lb (18.34 kg)

**Rest of the world**  
 Height: 442.70 mm (17.42 in.) / 446.60 mm (17.58 in.) with rubber foot protruding  
 Width: 172.60 mm (6.79 in.) / 176.50 mm (6.94 in.) with rubber foot protruding  
 Depth: 465.00 mm (18.30 in.) / 487.50 mm (19.19 in.) with lock structure protruding  
**Weight:** Maximum: 25.57 kg (56.34 lb) Minimum: 18.34 kg (40.39 lb)

**SECURITY**

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  
 SafeBIOS  
 Secure Supply Chain (former D-Pedigree)

**WARRANTY<sup>9,10</sup>**

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

**REGULATORY<sup>8,12</sup>**

Product Safety, EMC and Environmental Datasheets  
 Dell Regulatory Compliance Home Page  
 Dell and the Environment

\* Based on IDC Workstation Tracker, CY 23, Q2

1. Offering may vary by region. Some items may be available after product introduction. For complete details, refer to the Owner's Manual published on [www.dell.com/support](http://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. Computrace: Not a Dell offer. Certain conditions apply. For full details, see terms and conditions at [www.ijackforlaptops.com](http://www.ijackforlaptops.com).

8. Please refer to [www.epeat.net](http://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](http://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](http://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/servicesdescriptions](http://www.dell.com/servicesdescriptions).

12. For complete listing of declarations and certifications,