DELLTechnologies

Precision
7960 Rack

Be more productive,
as you power your purpose.

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

Precision 7960 Rack

─

Intelligent performance

Up to (2) Intel® Xeon® 350W, 56 cores processors, (2) AMD or NVIDIA 300W graphics, 128TB storage (8) M.2, (7) PCIe Gen 4/5 slots, up to 8TB of 4800MHz (DDR5) memory

Dell Optimizer for Precision

User experience

Front accessible and lockable storage

Optical Disk Drive optional

Fast network speeds (1G, 10G, 25G)

USB 3.2 Type A ports

Mission critical reliability and security

ISV Certifications

ECC memory

Advanced thermals

TPM 2.0, lockable chassis with intrusion detection, self encrypting drives

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[1]

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

Get up to 18% in power savings[2]

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[1]

Network Optimization provides the world's first simultaneous multi-network connection for faster data and video downloads[3], and joins the best network[4] 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

An ultra scalable 2U rack workstation

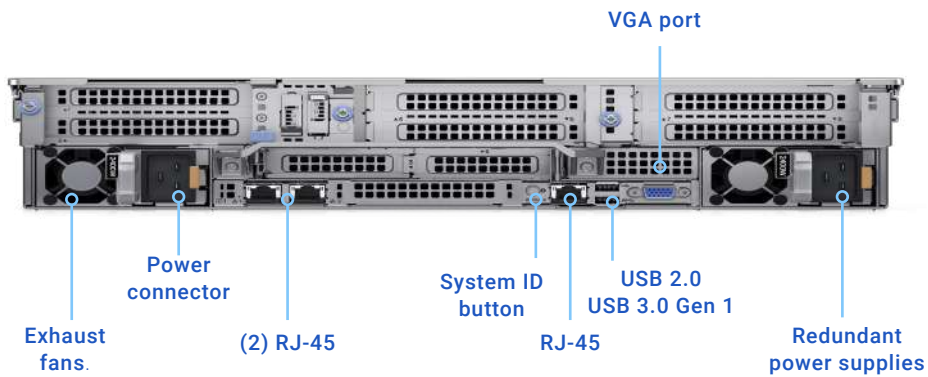**Be productive from almost anywhere with a powerful, secured access rack based solution that keeps your intellectual property safely in the data center.**

Slide rail mounting holes

Removeable cover
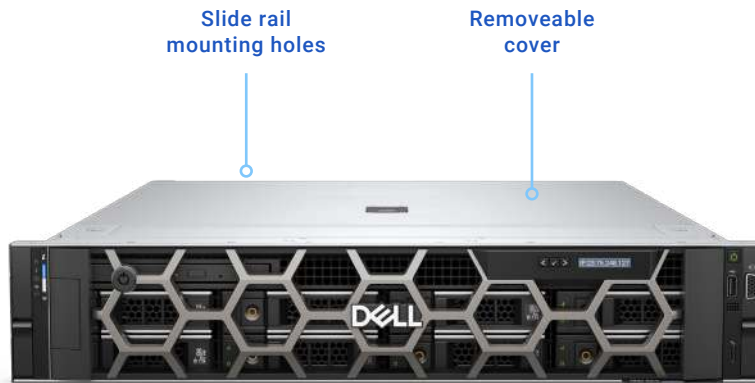
ISV Certifications

TPM 2.0, lockable chassis with intrusion detection, self encrypting drives

Secure remote access with Teradici PCoIP dual and quad display remote workstation cards and Amulet Hotkey dual and quad display Zero Clients

VGA port

Power connector

System ID button

USB 2.0 USB 3.0 Gen 1

Exhaust fans.

(2) RJ-45

RJ-45

Redundant power supplies

Sustainability on
Dell Precision 7960 Rack

___

Built with sustainable materials

This Precision workstation incorporates up to 41% post-consumer recycled plastic content in it's 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

*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.
**Based on internal analysis, November 2023. Percentage based on plastic weight.

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 (x2)

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.

▶Click to see 3D Viewer

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

**Based on Dell analysis comparing against competitive personal conferencing speakerphones, September 2021.

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	Precision 7960 Rack
CHIPSET	Intel C741
PROCESSOR OPTIONS[1]	Intel® Xeon® Silver 4410Y, 30MB cache, 12 cores, 24 threads, 2.0GHz to 3.9GHz Turbo, 150W Intel® Xeon® Gold 5415+, 22.5MB cache, 8 cores, 16 threads, 2.9GHz to 4.1GHz Turbo, 150W Intel® Xeon® Silver 4416+, 37.5MB cache, 20 cores, 40 threads, 2.0GHz to 3.9GHz Turbo, 165W Intel® Xeon® Gold 5418Y, 45MB Cache, 24 cores, 48 threads, 2.0GHz to 3.8GHz Turbo, 185W Intel® Xeon® Gold 5420+, 52.5MB cache, 28 cores, 56 threads, 2.0GHz to 4.1GHz Turbo, 205W Intel® Xeon® Gold 6430, 60MB cache, 32 cores, 64 threads, 2.1GHz to 3.4GHz Turbo, 270W Intel® Xeon® Gold 6434, 22.5MB cache, 8 cores, 16 threads, 3.7 GHz to 4.1GHz Turbo, 195W Intel® Xeon® Gold 6426Y, 37.5MB cache, 16 cores, 32 threads, 2.6GHz to 4.0GHz Turbo, 185W Intel® Xeon® Gold 6442Y, 60MB cache, 24 cores, 48 threads, 2.5GHz to 4.0GHz Turbo, 185W Intel® Xeon® Gold 6448Y, 60MB cache, 32 cores, 64 threads, 2.1GHz to 4.1GHz Turbo, 225W Intel® Xeon® Gold 6444Y, 45MB cache, 16 cores, 32 threads, 3.6GHz to 4.0GHz Turbo, 270W Intel® Xeon® Platinum 8452Y+, 67.5MB cache, 36 cores, 72 threads, 2.0GHz to 3.2GHz Turbo, 300W Intel® Xeon® Platinum 8460Y+, 105MB cache, 40 cores, 80 threads, 2.0GHz to 3.7GHz Turbo, 300W Intel® Xeon® Platinum 8462Y, 60MB cache, 32 cores, 64 threads, 2.8GHz to 4.1GHz Turbo, 300W Intel® Xeon® Platinum 8468, 105MB cache, 48 cores, 96 threads, 2.1GHz to 3.8GHz Turbo, 350W Intel® Xeon® Platinum 8470, 105MB cache, 52 cores, 104 threads, 2.0GHz to 3.8GHz Turbo, 350W Intel® Xeon® Platinum 8480+, 105MB cache, 56 cores, 112 threads, 2.0GHz to 3.8GHz Turbo, 350W
OPERATING SYSTEM[1]	Windows 11 for Workstations 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, 8 x 32GB, DDR5, 4800MHz ECC 256GB, 16 x 16GB, DDR5, 4800MHz ECC 384GB, 6 x 64GB, DDR5, 4800MHz ECC 384GB, 12 x 32GB, DDR5, 4800MHz ECC 384GB, 24 x 16GB, 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 512GB, 32 x 16GB, DDR5, 4800MHz ECC 768GB, 6 x 128GB, DDR5, 4800MHz ECC 768GB, 12 x 64GB, DDR5, 4800MHz ECC 768GB, 24 x 32GB, DDR5, 4800MHz ECC 1 TB 4x 256GB, DDR5, 4800MHz,ECC 1 TB, 8 x 128GB, DDR5, 4800MHz,ECC 1 TB, 16 x 64GB, DDR5, 4800MHz ECC 1 TB, 32 x 32GB, DDR5, 4800MHz ECC 1.5 TB, 6 x 256GB, DDR5, 4800MHz, ECC 1.5 TB, 12 x 128GB, DDR5, 4800MHz ECC 1.5 TB, 24 x 64GB, DDR5, 4800MHz ECC 2 TB 8 x 256GB, DDR5, 4800MHz ECC 2 TB 16 x 128GB, DDR5, 4800MHz ECC 2 TB, 32 x 64GB, DDR5, 4800MHz ECC 3 TB, 12 x 256GB, DDR5, 4800MHz,ECC 3 TB, 24 x 128GB, DDR5, 4800MHz ECC 4 TB, 16 x 256GB, DDR5, 4800MHz ECC 4 TB, 32 x 128GB, DDR5, 4800MHz ECC 6 TB, 24 x 256GB, DDR5, 4800MHz ECC 8 TB, 32 x 256GB, DDR5, 4800MHz ECC
GRAPHICS	Up to 2x Double wide graphics cards in PCIe Gen 5 slots – requires dual CPU system with 1400/2400W PSU **NVIDIA:** 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 LP/FH, 8GB GDDR6 NVIDIA® T400 LP/FH, 4GB GDDR6 **AMD:** AMD Radeon™ W6400 LP/FH, 4GB GDDR6

FEATURE	TECHNICAL SPECIFICATION
	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	Precision 7960 Rack
STORAGE OPTIONS [1,5]	Support for up to (8) 2.5" or 3.5" SATA/SAS drives, up to 8* x M.2 NVMe PCIe SSDs PERC H755 motherboard PCIe HW RAID controller required for SAS drive support M.2 NVMe PCIe SSDs Up to 8x 4TB drives on 2x Dell Precision Ultra-Speed Drive Quad x16 PCIe cards. *Requires dual CPU config and graphics card in low profile riser slot
BOOT DRIVES [1,5]	Boot from Dell Ultra Speed Drive Quad or Duo PCIe card 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
DATA DRIVES [1,5]	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
STORAGE CONTROLLERS	Integrated: 2x Intel chipset 6Gb/s SATA controllers with 4 ports each (total 8) for SATA HDD/SSD. 1 port for optical drive Intel vROC SW SATA RAID 0,1,5,10 supported across 4 SATA ports on 1st controller only. (Maximum 4 drives in RAIDset) Optional Intel vROC Standard SW NVMe RAID 0,1,10 option (motherboard activation key) for M.2 NVMe PCIe SSDs on 1st Dell Ultra-Speed Drive Quad x16 or Duo x8 card (0,1). Optional Intel vROC Premium SW NVMe RAID 0,1,5,10 option (motherboard activation key) for M.2 NVMe PCIe SSDs on 1st Dell Ultra-Speed Drive Quad x16 or Duo x8 card (0,1). Optional PERC H755P SATA/SAS Motherboard Hardware RAID PCIe controller with 8GB cache (battery backup), RAID 0/1/5/10 (no JBOD with SATA drives)
PRODUCTIVITY SOFTWARE[1]	Microsoft Office Home and Business Commercial Microsoft Office 2021 Professional 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
ADD-IN CARDS	Dell Precision Ultra-Speed Drive Quad (x16) and Duo (x8) low profile PCIe cards support M.2 NVMe drives with active cooling up to 2 and 4 NVMe drives respectively Dual display (full height and low profile) PCoIP remote workstation PCIe cards Quad display (full height) PCoIP remote workstation PCIe cards Serial port (full height, low profile) PCIe card - single port
SECURITY OPTIONS	Trusted Platform Module (TPM 2.0); Setup/BIOS Password, I/O Interface Security, lockable top cover and lockable front bezel, Dell Encryption Enterprise
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 SLOTS AND CHASSIS	Front Ports: iDRAC Direct port (1x Micro USB 2.0) USB 2.0 port VGA Port intended for IDRAC use Rear Ports: USB 2.0 port USB 3.0 Gen1 port iDRAC Enterprise Dedicated Network connector VGA port intended for IDRAC use (2) RJ45 Ethernet ports 1GbE LOM standard and one of three OCP3 NIC cards options in dedicated slot) (4) RJ45 Ethernet ports 1GbE (OCP3 card option) (4) RJ45 Ethernet ports 10GbE (OCP3 card option) (4) 10/25GbE SFP28 ports (OCP3 card option) Slots: 7 Slots in riser cards with Dual CPUs Single CPU has 1x Gen 4 x16 (FH/FL) slot, 1x Gen 5 x16 (FH/FL) slot, 1x Gen 4 x16 low profile (FL) slot (Reserved primarily for NVMe boot with Dell Ultra-Speed Duo x8 LP PCIe card Dual CPU has above slots plus 1x Gen 5 x16 double width slot, 2x Gen 4 x8 FH/HL slots, 1 Gen 4 x16 low profile (FL) slot Up to 2x dual or single width graphics cards with dual CPUs.
OPTICAL DRIVE	8x DVD-ROM 9.5mm optical drive 8x DVD+/-RW 9.5mm optical drive

FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER[1]	Precision 7960 Rack
CHASSIS	U.S. Height: 3.39in Width (front): 18.98in. Width (rear): 17.08in. Depth with bezel: 30.4in. Weight: Maximum: 65.36lbs. Minimum: 46.25lbs. Rest of the world Height: 86.8mm Width (front): 482mm Width (rear): 434mm Depth with bezel: 772.13mm Weight: Maximum: 29.64kg Minimum: 20.98kg
POWER SUPPLIES	One or two redundant, hot pluggable 800W (Platinum), 1100W (Titanium) and 1400W (120V) / 2400W (240V) (Platinum) power supplies. Note: Dual non-redundant PSUs are often needed to provide sufficient power for richer CPU/GPU configurations at a given PSU power level. The 1400W/2400W PSUs have C19 power cords which require 20A @120V or 240V AC circuits.
NETWORK CARDS	Entry: Broadcom 5720 Dual Port 2x 1GbE LOM default or OCP3 NIC options OCP 3.0 NIC Options – consume OCP 3.0 NIC slot: Intel i350 Quad Port 1GbE BASE-T, OCP NIC 3.0 Intel X710-T4L Quad Port 10GbE BASE-T, OCP NIC 3.0 Intel E810-XXVDA4 Quad Port 10/25GbE SFP28 Adapter, OCP NIC 3.0 Dedicated Broadcom® BCM54210 Ethernet LAN 10/100/1000 for iDRAC9 controller use with System Management tool suite
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