



Precision 7960 Rack



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Be more productive,
as you power your purpose.



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Intelligent performance

Up to (2) Intel® Xeon® 350W, 128 cores processors, (2) AMD or NVIDIA 300W graphics, 128TB storage (8) M.2, (7) PCIe Gen 4/5 slots, up to 8TB of 5600MT/s (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

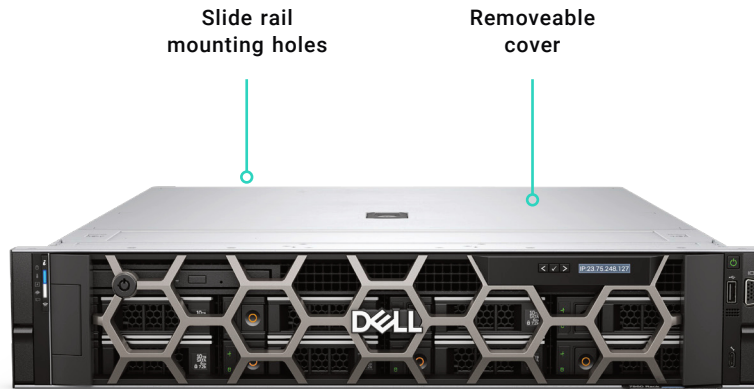
Advanced thermals

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



An ultra scalable 2U rack workstation

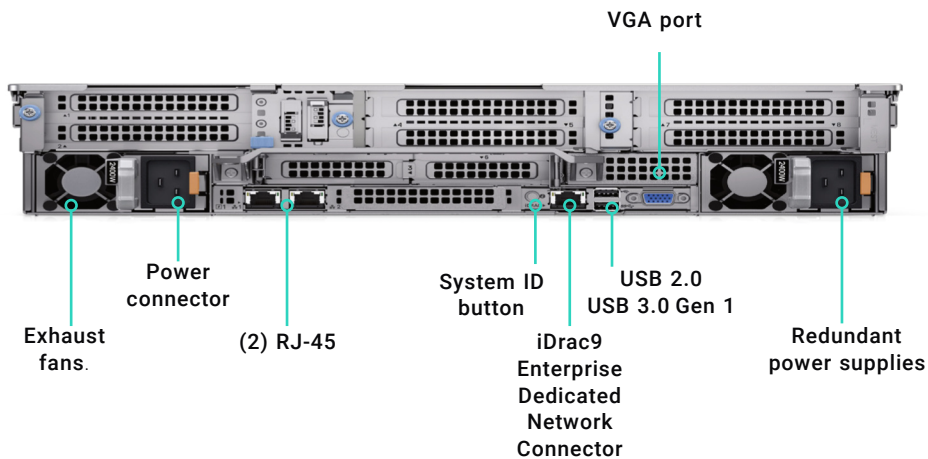
Be productive from almost anywhere with a powerful, secured access rack based solution that keeps your intellectual property safely in the data center.



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





FEATURE	TECHNICAL SPECIFICATION
CHIPSET	Intel® C741
PROCESSOR OPTIONS¹	Intel® Xeon® Platinum 8592+ 320MB Cache, 64 cores, 128 threads, 1.9 GHz to 3.9 GHz Turbo, 350W Intel® Xeon® Platinum 8580 300MB Cache, 60 cores, 112 threads, 2.1 GHz to 4.0 GHz Turbo, 350W Intel® Xeon® Platinum 8568Y+ 300MB Cache, 48 cores, 96 threads, 2.3 GHz to 4.0 GHz Turbo, 350W Intel® Xeon® Platinum 8562Y+ 60MB Cache, 32 cores, 64 threads, 2.8 GHz to 4.1 GHz Turbo, 300W Intel® Xeon® Gold 6548Y+ 60MB Cache, 32 cores, 64 threads, 2.5 GHz to 4.1 GHz Turbo, 250W Intel® Xeon® Gold 6542Y 60MB Cache, 24 cores, 48 threads, 2.9 GHz to 4.1 GHz Turbo, 250W Intel® Xeon® Gold 6534 22.5MB Cache, 8 cores, 16 threads, 3.9 GHz to 4.2 GHz Turbo, 195W Intel® Xeon® Gold 6526Y 37.5MB Cache, 16 cores, 32 threads, 2.8 GHz to 3.9 GHz Turbo, 195W Intel® Xeon® Silver 4514Y 30MB Cache, 16 cores, 32 threads, 2.0 GHz to 3.4 GHz Turbo, 150W Intel® Xeon® Silver 4510 30MB Cache, 12 cores, 24 threads, 2.4 GHz to 4.1 GHz Turbo, 150W Intel® Xeon® Silver 4509Y 22.5MB Cache, 8 cores, 16 threads, 2.6 GHz to 4.1 GHz Turbo, 125W 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 SYSTEM¹	Windows 11 for Workstations Ubuntu® 24.04, 64-bit Red Hat® Enterprise Linux® 9.3
MEMORY OPTIONS^{1,2,3}	16GB, 1 x 16GB, DDR5, 5600MT/s ECC 32GB, 1 x 32GB, DDR5, 5600MT/s ECC 32GB, 2 x 16GB, DDR5, 5600MT/s ECC 64GB, 1 x 64GB, DDR5, 5600MT/s ECC 64GB, 2 x 32GB, DDR5, 5600MT/s ECC 64GB, 4 x 16GB, DDR5, 5600MT/s ECC 96GB, 6 x 16GB, DDR5, 5600MT/s ECC 128GB, 1 x 128GB, DDR5, 5600MT/s ECC 128GB, 2 x 64GB, DDR5, 5600MT/s ECC 128GB, 4 x 32GB, DDR5, 5600MT/s ECC 128GB, 8 x 16GB, DDR5, 5600MT/s ECC 192GB, 6 x 32GB, DDR5, 5600MT/s ECC 192GB, 12 x 16GB, DDR5, 5600MT/s ECC 256GB, 1 x 256GB, DDR5, 5600MT/s, ECC 256GB, 2 x 128GB, DDR5, 5600MT/s,ECC 256GB, 4 x 64GB, DDR5, 5600MT/s ECC 256GB, 8 x 32GB, DDR5, 5600MT/s ECC 256GB, 16 x 16GB, DDR5, 5600MT/s ECC 384GB, 6 x 64GB, DDR5, 5600MT/s ECC 384GB, 12 x 32GB, DDR5, 5600MT/s ECC 384GB, 24 x 16GB, DDR5, 5600MT/s ECC 512GB, 2 x 256GB, DDR5, 5600MT/s, ECC 512GB, 4 x 128GB, DDR5, 5600MT/s,ECC 512GB, 8 x 64GB, DDR5, 5600MT/s ECC 512GB, 16 x 32GB, DDR5, 5600MT/s ECC 512GB, 32 x 16GB, DDR5, 5600MT/s ECC 768GB, 6 x 128GB, DDR5, 5600MT/s ECC 768GB, 12 x 64GB, DDR5, 5600MT/s ECC 768GB, 24 x 32GB, DDR5, 5600MT/s ECC 1 TB 4x 256GB, DDR5, 5600MT/s,ECC 1 TB, 8 x 128GB, DDR5, 5600MT/s,ECC 1 TB, 16 x 64GB, DDR5, 5600MT/s ECC 1 TB, 32 x 32GB, DDR5, 5600MT/s ECC 1.5 TB, 6 x 256GB, DDR5, 5600MT/s, ECC 1.5 TB, 12 x 128GB, DDR5, 5600MT/s ECC 1.5 TB, 24 x 64GB, DDR5, 5600MT/s ECC 2 TB 8 x 256GB, DDR5, 5600MT/s ECC 2 TB 16 x 128GB, DDR5, 5600MT/s ECC 2 TB, 32 x 64GB, DDR5, 5600MT/s ECC 3 TB, 12 x 256GB, DDR5, 5600MT/s,ECC 3 TB, 24 x 128GB, DDR5, 5600MT/s ECC 4 TB, 16 x 256GB, DDR5, 5600MT/s ECC 4 TB, 32 x 128GB, DDR5, 5600MT/s ECC 6 TB, 24 x 256GB, DDR5, 5600MT/s ECC 8 TB, 32 x 256GB, DDR5, 5600MT/s ECC

Note: Memory may clock down to 4800/4400MHz or lower (CPU dependent) and in configurations with 2 DIMMs.



FEATURE	TECHNICAL SPECIFICATION
GRAPHICS	<p>Up to 2x Double wide graphics cards in PCIe Gen 5 slots – requires dual CPU system with 1400/2400W PSU</p> <p>NVIDIA: Nvidia RTX Pro 6000 Blackwell (300W), 96GB GDDR7 (Coming soon) NVIDIA® RTX™ A800 40GB GDDR6 - no display output - requires T1000 for display NVIDIA® RTX™ 6000 Ada, 48 GB GDDR6 NVIDIA® RTX™ A6000, 48 GB GDDR6 NVIDIA® RTX™ A5500, 24 GB GDDR6 NVIDIA® RTX™ 5000 Ada, 32 GB GDDR6 NVIDIA® RTX™ 4500 Ada, 24 GB GDDR6 NVIDIA® RTX™ A4500, 20 GB GDDR6 NVIDIA® RTX™ 4000 Ada, 20 GB GDDR6 NVIDIA® RTX™ A4000, 16GB GDDR6 NVIDIA® RTX™ A2000, 12GB GDDR6 NVIDIA® A1000, 8 GB GDDR6 NVIDIA® A400, 4 GB GDDR6 NVIDIA® RTX™ A800 40GB GDDR6 - no display output - requires A1000 for display</p> <p>AMD: AMD Radeon™ W6400 LP/FH, 4GB GDDR6</p>
STORAGE OPTIONS ^{1,5}	<p>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</p>
BOOT DRIVES ^{1,5}	<p>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</p>
DATA DRIVES ^{1,5}	<p>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</p>
STORAGE CONTROLLERS	<p>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)</p>
PRODUCTIVITY SOFTWARE ¹	<p>Microsoft Office Home and Business Commercial Microsoft Office 2021 Professional Commercial Dell Optimizer for Precision</p>
SECURITY SOFTWARE	<p>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</p>
ADD-IN CARDS	<p>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</p>
SECURITY OPTIONS	<p>Trusted Platform Module (TPM 2.0); Setup/BIOS Password, I/O Interface Security, lockable top cover and lockable front bezel, Dell Encryption Enterprise</p>
WARRANTY ^{8,10}	<p>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</p>
ACCIDENTAL DAMAGE SERVICES	<p>3-year Accidental Damage Service 4-year Accidental Damage Service 5-year Accidental Damage Service</p>

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FEATURE	TECHNICAL SPECIFICATION
MODEL NUMBER¹	Precision 7960 Rack
PORTS SLOTS AND CHASSIS	<p>Front Ports: iDRAC Direct port (1x Micro USB 2.0) USB 2.0 port VGA Port intended for iDRAC use</p> <p>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)</p> <p>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.</p>
OPTICAL DRIVE	8x DVD-ROM 9.5mm optical drive 8x DVD+/-RW 9.5mm optical drive
CHASSIS	<p>U.S. Height: 3.39in Width (front): 18.98in. Width (rear): 17.08in. Depth with bezel: 30.40in.</p> <p>Weight: Maximum: 65.36lbs. Minimum: 46.25lbs.</p> <p>Rest of the world Height: 86.8mm Width (front): 482mm Width (rear): 434mm Depth with bezel: 772.13mm</p> <p>Weight: Maximum: 29.64kg Minimum: 20.98kg</p>
POWER SUPPLIES	<p>One or two redundant, hot pluggable 800W (Platinum), 1100W (Titanium) and 1400W (120V) / 2400W (240V) (Platinum) power supplies.</p> <p>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.</p>
NETWORK CARDS	<p>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</p>
REGULATORY^{7,9}	<p>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</p>

- Offering may vary by region. Some items may be available after product introduction.
- System Memory and Graphics: Significant system memory may be used to support graphics, depending on system memory size and other factors.
- 4GB or Greater System Memory Capability: A 64-bit operating system is required to support 4GB or more of system memory.
- Particular versions of Microsoft Windows may not support the full Bluetooth 4.2 functionality
- 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.
- TPM is available in selected regions.
- Please refer to www.epeat.net for specific country registration rating and participation.
- Limited Hardware Warranty.
- 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.

