



PRECISION 3930 Rack

# The world's most powerful 1U rack workstation.



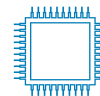
## COMPACT INDUSTRIAL DESIGN

A short-depth and narrow design delivers better rack density and a smaller footprint ideal for space-constrained workspaces. Extended operating temperatures and a compact form-factor facilitates a seamless integration into complex OEM medical imaging and industrial automation solutions.



## ROOM TO GROW

Up to 24TB of storage delivers high performance for complex projects. Expandability with up to 3 PCIe slots with an option to add PCI legacy cards allows you to scale with your business needs.



## PROFESSIONAL POWER

Impressive affordability and workstation-class performance with 9<sup>th</sup> Gen Intel® Core™ and Xeon® processors, up to 128GB of memory, and up to one double-width 295W of NVIDIA Quadro® or Radeon™ Pro professional graphics support. In addition, Dell Precision Optimizer Premium is the only AI-based performance optimizer software in the industry to automatically tune your workstation to run popular ISV applications at the fastest speeds possible.



## REMOTE PEACE OF MIND

Experience versatile, secure and fast remote 1:1 user access with optional Teradici PCoIP technology with support for dual and quad display zero clients. Seamlessly integrates into your datacenter, bringing data, heat and noise isolation with reduced clutter at your desk, without sacrificing your budget.

# Recommended Accessories

## PRECISION 3930 RACK



### DELL PREMIER WIRELESS KEYBOARD AND MOUSE | KM717

Enhance productivity and enjoy its elegant design that will fit into virtually any workspace. For increased productivity you can simultaneously pair up to two compatible devices with Bluetooth LE.



### DELL WYSE 5030

Extremely compact and energy efficient, the Wyse 5030 connects to Teradici host cards in a Dell rack workstation to provide a remote workstation experience with lossless video as well as connection to dual FHD monitors.



### DELL ULTRASHARP 24 MONITOR | U2417H

Get up to 18% more done with dual monitors, and see more with virtually borderless InfinityEdge. With 23.8 inch Full HD displays, you'll see vividly clear visuals across an ultrawide viewing angle.



### DELL DUAL MONITOR ARM

Support and suspends two monitors at once with a sleek, modern design that enhances your workplace aesthetic and provides comfortable viewing of two monitors.



### 3DCONNEXION SPACEMOUSE PRO WIRELESS

SpaceMouse Pro Wireless handles 3D navigation for a revolutionary two-handed work style preferred by the world's top 3D professionals. Intuitively examine and analyze your designs from every angle.



### X-RITE COLORIMETER IDISPLAY PRO

The i1Display Pro ensures a perfectly calibrated and profiled display while delivering the speed, options and flexibility needed to maintain color accuracy.

# Built for business

## Dell Technologies Unified Workspace

Dell Technologies Unified Workspace is the most comprehensive solution to deploy, secure, manage and support virtually all devices from the cloud. We designed this revolutionary solution with intelligence and automation providing you with visibility across the entire endpoint environment. We help you save time, improve user experience, optimize resources and strengthen security.



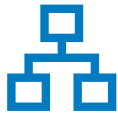
DEPLOY

Our modern deployment solution, ProDeploy in the Unified Workspace allows you to revolutionize the way deployment gets done. By spending just one hour for set up, IT can then hand deployment to Dell and have preconfigured systems shipped directly to the end users--wherever they are.



SECURE

Dell Endpoint Security for the Unified Workspace helps you manage growing cyber risks while embracing workforce transformation. With Dell SafeGuard and Response powered by Secureworks, you gain actionable insight to help you quickly and efficiently prevent, detect and respond to cyber-attacks - keeping your environment free from harm.



MANAGE

We integrated our hardware management solution Dell Client Command Suite with VMware Workspace ONE, allowing you to take advantage of unified endpoint management (UEM) and manage the firmware, operating system and applications for all devices from the Workspace ONE console. UEM simplifies the management of the entire environment saving IT time from having to work between separate consoles for PCs and phones.



SUPPORT

ProSupport Plus continues to be the only predictive and proactive support in the market. When compared to key competitors, ProSupport Plus with SupportAssist reduced time to resolve a failed hard drive with up to 11x faster time to resolution\*

\*Based on a Principled Technologies test report, "Spend Less Time and Effort Troubleshooting Laptop Hardware Failures" dated April 2018. Testing omitted by Dell, conducted in the United States. Actual results will vary. Full report: <http://facts.pt/L52XKM>

# Features & Technical Specifications

## PRECISION 3930 RACK

Feature	Precision 3930 Rack Technical Specifications	Storage Options <sup>4</sup>
Processor <sup>1</sup>	9 <sup>th</sup> Generation Intel® Core™ i3, i5, i7 and i9 and Intel Xeon Processor E-2200 family of CPUs with up to 8 Cores, 8 <sup>th</sup> Generation Intel® Core™ i3, i5 and i7 and Intel Xeon Processor E-2100 family of CPUs with up to 6 cores	Up to (4) 256GB Up to (4) 512GB Up to (4) 1TB 2.5" SATA SMR 5400 RPM Up to (4) 2TB 2.5" SATA 7200 RPM Up to (4) 1TB 3.5" SATA 7200 RPM Up to (2) 500GB Up to (2) 2TB Up to (2) 2TB Enterprise Up to (2) 4TB Enterprise Up to (2) 8TB Enterprise Self Encrypting Drives Up to (4) 2.5" 500GB 7200 RPM Up to (2) M.2 PCIe SSD 512GB Up to (2) M.2 PCIe SSD 256GB Optane Memory M.2 SSD 32GB Optane Memory
Operating System <sup>2</sup>	Microsoft® Windows 10 Pro (64 bit) Microsoft® Windows 10 Pro for Workstations (64 bit) Microsoft® Windows 10 Home 64 bit (Offline only) Red Hat® Enterprise Linux® 7.5 Ubuntu Linux 18.04	
Chipset	Intel C246	
Memory <sup>3</sup>	Dual channel UDIMM memory up to 128GB 2666MHz DDR4 Non-ECC or ECC Memory (128GB ECC coming soon)	
Graphics <sup>3</sup>	One PCI Express® x16 Gen 3 double width Graphics card or Two PCI Express x 8 Gen 3 Graphics single width graphics cards up to 295W  Dual graphic card capability is available for select cards, including NVIDIA Quadro® RTX 4000, P4000, P2000, P400 and AMD Radeon Pro WX 4100  <b>High end 3D cards:</b> NVIDIA Quadro® RTX 5000 w/16GB DDR5 (dual PSU required) NVIDIA Quadro® RTX 6000 w/24GB DDR5 (dual PSU required) NVIDIA Quadro® P5000 NVIDIA Quadro® P6000  <b>Mid-range 3D cards:</b> NVIDIA Quadro® RTX 4000 w/8GB DDR5 (dual PSU required when using two RTX 4000 cards) NVIDIA Quadro® P4000 NVIDIA Quadro® P2000  <b>Entry 3D cards:</b> AMD Radeon Pro WX 4100 NVIDIA Quadro® P400 NVIDIA Quadro® P620 (coming soon) NVIDIA Quadro® P1000 (coming soon)  <b>Consumer Graphics:</b> NVIDIA GTX 1080 NVIDIA GTX 2080 B Support for Intel Integrated graphics on Core and select Xeon	<b>Communications</b> <b>Integrated:</b> 1Gb Intel and 10Gb Aquantia Ethernet Connections  <b>Network Cards</b> Intel® i210-single port 1Gb Ethernet Network Card (1 x 1 Gb ports) Intel® X550-Dual Port 10Gbe (2 X 10 Gb) Ethernet Network Card  <b>1:1 Remote Workstation Access Solutions</b> Optional: Teradici Dual and Quad display PCoIP™ PCIe remote access host cards: - Wyse 5030 PCoIP Dual-display Zero client - Amulet Hotkey DXZ4 Quad-display Zero client Teradici PCoIP software clients for Windows, Mac, IOS, Android and ChromeOS available from Teradici.  <b>Manageability<sup>5</sup></b> Intel® vPro™ Technology's advanced management features (optional, requires Intel WiFi® Link WLAN)  <b>Add-in cards</b> Optional: Dell Precision Ultra-Speed Drive Duo (x8) with active cooling and support for up to 2 M.2 NVMe PCIe SSDs Serial Port PCIe Card (1 port) Thunderbolt Card (2 ports) USB 3.1 10Gb/s Type C Card (2 ports) Dual and Quad display Teradici PCoIP PCIe remote workstation access cards
Storage Options <sup>4</sup>	Support for up to (2) M.2 PCIe SSD on motherboard slot and Up to (2) 3.5" SATA or (4) 2.5" SATA. Support for up to up to (2) additional PCIe SSD on Dell Precision Ultraspeed drive (x8) with active cooling M.2 PCIe SSD (NVMe) Up to (2) 512GB Up to (2) 1TB Up to (2) 2TB 2.5" SATA SSD	<b>I/O Ports</b> Front 1- Audio Jack 1- USB 3.1 Type C 2 - USB 3.1 Type A 1- SD Card Reader  Internal 1 - USB 3.1 Type A (supports USB storage key) Rear 2 - USB 3.1 Type C/iGFX Display Port 1 - Remote Power Switch connector 1 - Serial port 2 - RJ45 Network  <b>Operating Temperature Range</b> Standard Temperature Range (10C - 35C) Extended Temperature Range (10C - 45C) on select configs (<=80W processors, SSDs and Enterprise HDDs, GPU = NVIDIA Quadro™ P400, P2000 and P4000)

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Feature	Precision 3930 Rack
	<b>Technical Specifications</b>
Chassis <sup>6</sup>	<p><b>Dimensions:</b> HxWxD: 1.68" (42.8 mm) x 18.98" (482.0 mm) x 23.19" (589.1 mm) with Bezel or 22.74" (577.6 mm) without Bezel</p> <p><b>Weight:</b> 19.27lb (8.74 kg) Slots: Three add-in card slots available Chassis Choice of 2 Risers for Slot 1 (bottom) &amp; 2 (top): Riser 1A: Support for PCIe Cards Riser 1B: Support for PCI legacy cards</p> <p><b>With PCIe riser 1A:</b> All Slots PCIe Gen 3. Up to 1 double-width x16 card supported Slot 1 (bottom): Full Height Double width PCIe16 Gen 3 or Single Width PCIe8 Gen 3 Slot 2 (top): Full Height Single Width PCIe8 Gen 3</p> <p><b>With PCI legacy riser 1B:</b> Slot 1 (bottom): Full Height PCI 32/33 Slot 2 (top): Full Height PCI 32/33</p> <p><b>Fixed Riser for Slot 3 (on all chassis):</b> Full Height Single Width PCIeX4 Gen 3</p> <p><b>Power Supply:</b> One or two redundant/non-redundant hot pluggable 550W (80PLUS Platinum certified)  Two PSUs required with RTX 4000, RTX 5000 and RTX 6000 that will function in non-redundant mode</p>
Security Options (Check regional availability)	Trusted Platform Module (TPM 2.0); chassis Intrusion switch; Setup/BIOS Password; I/O Interface Security; lockable front bezel, Dell Data Guardian, Dell Endpoint Security Suite Enterprise, Kensington Lock and Padlock
Regulatory and Environmental	For a complete listing of declarations & certifications, see Dell's regulatory & compliance homepage at <a href="https://dell.com/regulatory_compliance">dell.com/regulatory_compliance</a>
Warranty & Support Services <sup>7</sup>	3-Year Limited Hardware Warranty and 3-year NBD On-Site Service after Remote Diagnosis  <b>Optional:</b> Dell ProSupport is designed to rapidly respond to your business's needs, help protect your investment and sensitive data, and provide enhanced proactive support services to help reduce risk and complexity within your IT environment
TAA	YES (check regional availability)



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# Create without limits.

1 Intel Turbo Boost mode only available on Xeon, Core i7 and Core i5 processors. Intel Integrated HD graphics only available with select processors.

2 A 64-bit operating system is required to support 4GB or more of system memory.

3 System memory may be used to support graphics, depending on system memory size and other factors.

4 Hard Drive capacity varies with preloaded material and will be less.

5 Systems Management Options: Intel® vPro Technology - Fully vPro-capable at point of purchase; the vPro systems management option requires vPro processors. Includes support for Intel Advanced Management Technology (AMT) 9.x. Intel® Standard Manageability - Fully enabled at point of purchase, the Intel Standard Management option is a subset of the AMT features. ISM is not upgradeable to vPro technology post-purchase. No Out-of-Band Systems Management - This option entirely removes Intel out of band systems (OOB) management features. The system can still support in band management. OOB management support through AMT cannot be upgraded post-purchase.

6 Weights vary depending on configuration and manufacturing variability.

7 Availability and terms of Dell Services vary by region. For more information, visit [Dell.com/servicecontracts/global](http://Dell.com/servicecontracts/global); Limited Hardware Warranty available by writing Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [www.dell.com/warranty](http://www.dell.com/warranty); Onsite 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.

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