



Dell Precision T7610

Our most powerful tower workstation for demanding environments

Dell Precision™ Workstations

Dell Precision is your tool for designing automobiles or aircraft, creating the next blockbuster movie, crunching massive research data sets or wringing the most from performance intensive applications. Our workstations provide superb productivity, Independent Software Vender (ISV) certified¹ reliability and smart design to maximize productivity and dependability.

Experience outstanding productivity

Power through resource and graphics-intensive engineering and analysis workloads with the Dell Precision T7610 featuring:

- One or two processors from the Intel® Xeon® processor E5-2600 v2 family provide the performance you need to process complex tasks quickly.
- Easily manage huge data sets with up to 512GB² of 1866MHz quad-channel ECC memory.
- Choose from a broad selection of professional grade AMD FirePro™ or NVIDIA® Quadro® graphics
- Experience the power of NVIDIA Maximus® technology, featuring Quadro and Tesla® GPUs that simultaneously enable simulation and design on a single system
- Protect your investment with Generation 3 PCIe slots
- Intel CAS-W storage option enables performance that is near solid state drive speeds at a significantly reduced cost versus a full SSD storage solution
- Optional Micron® P320h PCIe SSD drive delivers superb read throughput, combined with exceptional reliability and remarkable power efficiency
- An integrated SATA/SAS controller with RAID options to facilitate data mirroring and data striping

Dependability you can count on

You keep working, no matter what challenges you face. Dell's exclusive, patented Reliable Memory Technology helps ensure that your workstations will too. The new technology maximizes uptime by eliminating virtually all memory errors so the workstations can get more reliable over time, providing a stable and reliable platform you can trust.

Reduce environmental impact

Dell Precision T7610 is EPEAT®-registered³ and offers ENERGY STAR® configurations, including 80 PLUS®-registered Gold power supplies. This helps lower your impact on the environment and can also help reduce your operating energy costs.

Best-in-class chassis design

The Dell Precision T7610 offers one of the industry's best chassis, enabling you to perform service and modifications with incredible ease with features such as:

- Straightforward, clutter-free interior providing easy access to components
- The only mainstream tower workstation family to offer an externally accessible tool-less power supply for superior serviceability
- Integrated front and rear aluminum handles for easy deployment and moves
- A split chassis design to separate the power supply and hard drives from the motherboard and graphics, allowing for superb air flow and serviceability
- Room for up to four 3.5" or eight 2.5" externally accessible tool-less cold-swap hard drives
- Lockable front bezel & power supply for when security is key
- 1300W power supply provides ample power for up to three high-end graphics cards

Recommended Accessories

Dell offers all of the essential accessories you need to enhance your workstation productivity including:

- Enjoy outstanding color accuracy, consistency, and richness with state-of-the-art Dell UltraSharp monitors with PremierColor. These monitors are perfect for power users who require precise, accurate, color-critical performance.
- Maximize workspace ergonomics and viewing comfort with the Dell MDS14 Dual Monitor Stand or Dell MSA14 Single Monitor Arm.
- The versatile Dell C3765dnf multifunction color laser printer offers value, quality and efficiency to workgroups by combining low cost per page with excellent print quality.

Exceptional Service

Rest assured that your Dell Precision workstation will be well protected should an issue arise. The T7610 comes with a 3 year limited hardware warranty⁷ standard. Dell's premium support service, ProSupport⁹, features 24/7 direct telephone access to advanced-level technicians based in your region to end downtime and resolve problems quickly.

Dell Precision T7610 Workstation Technical Specifications																					
Processors	One or two; Intel® Xeon® processor E5-2600 v2 family with up to twelve cores and Intel Advanced Vector Extensions, Intel Trusted Execution Technology, Intel AES New instructions, Optimized Intel Turbo Boost and optional Intel vPro™ technology																				
Operating Systems	<ul style="list-style-type: none"> Windows® 8 Pro (64-Bit) Genuine Windows® 7 Ultimate 32-Bit; Genuine Windows® 7 Ultimate 64-Bit Genuine Windows® 7 Professional 32-Bit; Genuine Windows® 7 Professional 64-Bit Red Hat® Enterprise Linux® 6.4 Ubuntu 12.04 SP1 Linux (China only) 																				
Chipset	Intel® C602																				
Memory ^{2, 4}	Quad channel; up to 512GB 1866MHz ECC RDIMM memory; 16 DIMM slots (8 per processor)																				
Graphics ⁴	Support for up to three ⁷ PCI Express® x16 Gen 2 or Gen 3 cards up to 675W (total for graphics (some restrictions apply)): <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">High End 3D</td> <td style="width: 25%;">Mid-range 3D</td> <td style="width: 25%;">Entry 3D</td> <td style="width: 25%;">Professional 2D (not ISV certified)</td> </tr> <tr> <td>NVIDIA® Quadro® K6000</td> <td>AMD FirePro™ W7000</td> <td>AMD FirePro V4900</td> <td>AMD FirePro 2270</td> </tr> <tr> <td>NVIDIA Quadro K5000</td> <td>AMD FirePro™ W5000</td> <td>AMD FirePro V3900</td> <td>NVIDIA Quadro NVS™ 510</td> </tr> <tr> <td></td> <td>NVIDIA Quadro K4000</td> <td>NVIDIA Quadro K600</td> <td>NVIDIA Quadro NVS 310</td> </tr> <tr> <td></td> <td>NVIDIA Quadro K2000</td> <td></td> <td></td> </tr> </table>	High End 3D	Mid-range 3D	Entry 3D	Professional 2D (not ISV certified)	NVIDIA® Quadro® K6000	AMD FirePro™ W7000	AMD FirePro V4900	AMD FirePro 2270	NVIDIA Quadro K5000	AMD FirePro™ W5000	AMD FirePro V3900	NVIDIA Quadro NVS™ 510		NVIDIA Quadro K4000	NVIDIA Quadro K600	NVIDIA Quadro NVS 310		NVIDIA Quadro K2000		
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GPU	One or two NVIDIA Tesla® K20C GPGPU - Supports Nvidia Maximus™ technology																				
Storage Options ⁵	Up to four 3.5" or eight ⁶ 2.5" (four in 5.25" bay) internal SATA, SAS or SSD hard drives. <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 16.6%;">SATA 7200RPM</td> <td style="width: 16.6%;">SATA 10KRPM</td> <td style="width: 16.6%;">SAS 10K RPM</td> <td style="width: 16.6%;">SAS 15K RPM</td> <td style="width: 16.6%;">SSD</td> <td style="width: 16.6%;">PCIe SSD</td> </tr> <tr> <td>Up to 3.0TB</td> <td>Up to 500GB</td> <td>Up to 900GB</td> <td>Up to 300GB</td> <td>Up to 512GB</td> <td>Micron P320h 350GB</td> </tr> </table> <ul style="list-style-type: none"> Intel CAS-W – Caching Acceleration Software for Workstations: requires 128GB SSD + standard storage hard drive 	SATA 7200RPM	SATA 10KRPM	SAS 10K RPM	SAS 15K RPM	SSD	PCIe SSD	Up to 3.0TB	Up to 500GB	Up to 900GB	Up to 300GB	Up to 512GB	Micron P320h 350GB								
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Storage Controller	Integrated: <ul style="list-style-type: none"> LSI 2308 SATA/SAS 6Gb/s controller with host based RAID 0, 1, 10 Optional: <ul style="list-style-type: none"> LSI 9271-8i 6Gb/s SATA/SAS PCIe controller (1GB cache) supports hardware RAID 0, 1, 5, 10 configurations 																				
Communications	Integrated: <ul style="list-style-type: none"> Intel 82579 Gigabit Ethernet controller with Remote Wake UP, PXE and Jumbo frames support Optional: <ul style="list-style-type: none"> Broadcom NetXtreme 10/100/1000 Gigabit Ethernet controller (PCIe card) Intel Ethernet Server Adapter X520-T2 10GbE (PCIe card) 																				
Remote Access	Optional Tera2 dual display PCoIP™ PCIe remote access host card for optional Wyse P25 zero client																				
Audio Controller	Integrated: Realtek ALC269Q High Definition Audio Optional: Creative™ Sound Blaster™ Recon3D PCIe x1 card																				
I/O Ports	<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33.33%; text-align: center;">Front</th> <th style="width: 33.33%; text-align: center;">Internal</th> <th style="width: 33.33%; text-align: center;">Rear</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> 3 - USB 2.0 1 - USB 3.0 1 - Microphone 1 - Headphone </td> <td style="vertical-align: top;"> 3 - USB 2.0 8 - SATA/SAS 6Gb/s 2 - SATA 6Gb/s (for optical drive(s)) </td> <td style="vertical-align: top;"> 3 - USB 2.0 3 - USB 3.0 2 - PS2 1 - Serial 2 - RJ45 1 - 1394a 400 (optional add-in card) </td> </tr> </tbody> </table>	Front	Internal	Rear	3 - USB 2.0 1 - USB 3.0 1 - Microphone 1 - Headphone	3 - USB 2.0 8 - SATA/SAS 6Gb/s 2 - SATA 6Gb/s (for optical drive(s))	3 - USB 2.0 3 - USB 3.0 2 - PS2 1 - Serial 2 - RJ45 1 - 1394a 400 (optional add-in card)														
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Mid-Tower Chassis	Dimensions (HxWxD): 16.95 x 8.50 x 20.67"; 438 x 216 x 545mm Slots (all full length): Two PCIe x16 Gen 3; two additional PCIe x16 Gen 3 (requires second processor option); one PCIe x16 Gen 3 wired x4; one PCIe x16 Gen 2 wired x4; One PCI 32bit/33MHz Bays: One external slimline optical bay; One external 5.25" bay; Four 3.5" or eight 2.5" front accessible hard drive bays (four in external 5.25" bay); Power Supply (externally accessible, toolless, 80 Plus® Gold Certified, 90% efficient): 1300W																				
Monitor Compatibility	Dell UltraSharp series - High-performance monitors with PremierColor (on select models) and ultrawide viewing from 21.5"-30". Dell Single Monitor Arm and Dual Monitor Stand is also available.																				
Keyboard	Dell KB522 Business Multimedia Keyboard; Dell KB813 Smartcard Keyboard; Dell KM714 Wireless Keyboard & Mouse Combo																				
Mouse	Dell USB Optical Mouse; Dell Laser USB 6-Button Mouse; Logitech Performance Mouse MX																				
Speakers	Dell 2.0 and 2.1 stereo speaker systems available; Dell sound bar for select flat-panel displays.																				
Storage Devices	Slimline options: DVD-ROM; DVD+/-RW Optional 5.25" device: DVD+/-RW; Blu-ray Disc™ rewritable; 19-in-1 media reader																				
Security Options ⁸	Trusted Platform Module 1.2 (TPM 1.2); Intrusion switch; Setup/BIOS Password; I/O Interface Security; Kensington® lock slot, Padlock ring, lockable power supply; Dell Data Protection Encryption; Dell Data Protection Security Tools; Dell Data Protection Protected Workspace																				
Environmental and Regulatory	Energy Star® configurations available including 80 PLUS® registered Gold power supplies; EPEAT® registered ³ ; China CECP; GS Mark. Complete listing of declarations and certifications at Dell's regulatory and compliance homepage at dell.com/regulatory_compliance																				
Warranty and Service	3-Year Limited Hardware Warranty ⁹ and 3-year NBD On-Site Service after Remote Diagnosis ¹⁰ Optional: Dell ProSupport ¹¹ 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																				

Contact your sales representative or learn more at dell.com/precision

1. ISV certification applies to select configurations
 2. A 64-bit operating system is required to support 4GB or more of system memory.
 3. See epeat.net for specific registration rating/status by country
 4. GB means 1 billion bytes and TB equals 1 trillion bytes; significant system memory may be used to support graphics, depending on system memory size and other factors.
 5. 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. Maximum number of factory installed hard drives is five. User upgrade is required to reach eight hard drives.
 7. Requires second processor option
 8. Available in select regions
 9. 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. 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 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. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions.
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