Dell Precision T5610

Powerful and reliable dual socket workstation in a compact chassis

Dell Precision™ Workstations

Dell Precision is your key tool for creating architectural drawings, performing complex engineering design work or wringing the most from any performance intensive application. Our workstations provide superb productivity, Independent Software Vender (ISV) certified[1] reliability, and innovative smart design to maximize your productivity and dependability.

Experience the evolution of productivity

Power through resource-exhausting and graphics-intensive workloads with the advanced design of the dual socket Dell Precision T5610 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 handle large data sets with up to 128GB[4] 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

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 T5610 is EPEAT®-registered[3] and offers ENERGY STAR® configurations, including 80 PLUS®-registered Gold power supplies. Not only will you help lower your impact on the environment, but you can also help reduce your operating energy costs.

Best-in-class chassis design

The Dell Precision T5610 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
- Room for up to three 3.5" or four 2.5" tool-less hard drives
- Handy top tray offers a convenient location to store external drives or cameras and provides easy access to front-mounted USB ports
- Easy rack mounting via 0U rail shelf kit (sold separately)

Recommended Accessories

Dell offers all of the essential accessories you need to enhance your workstation productivty 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 T5610 comes with a 3 year limited hardware warranty[7] standard. Dell's premium support service, ProSupport[9], features 24/7 direct telephone access to advanced-level technicians based in your region to end downtime and resolve problems quickly.

Dell Precision T5610 Workstation Technical Specifications

Processors	One or two; Intel® Xeon® processor E5-2600 v2 family with up to ten 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	• 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 128GB 1866MHz ECC RDIMM memory; 8 DIMM slots (4 per processor)

Graphics[4]

Support for two PCI Express® x16 Gen 2 or Gen 3 graphics cards up to 300W (total for graphics):

High End 3D	Mid-range 3D	Entry 3D	Professional 2D (not ISV certified)
NVIDIA® Quadro® K5000	AMD FirePro™ W7000 AMD FirePro W5000 NVIDIA Quadro K4000 NVIDIA Quadro K2000	AMD FirePro V4900 AMD FirePro V3900 NVIDIA Quadro K600	AMD FirePro 2270 NVIDIA Quadro NVS™ 510 NVIDIA Quadro NVS 310

GPU	NVIDIA Tesla® K20C GPGPU - Supports Nvidia Maximus™ technology

Storage Options[5]

Up to three 3.5" or four 2.5" internal SATA, SAS or SSD drives. Additional add-in controller required for SAS hard drives.

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

• Intel CAS-W − Caching Acceleration Software for Workstations: requires 128GB SSD + standard storage hard drive

Storage Controller Options	**Integrated:** • Intel AHCI 6Gb/s SATA controller with six ports (two 6Gb/s, two 3Gb/s, two reserved for optical drives) supports software RAID 0, 1, 5, 10	**Optional:** • LSI 9217-8i 6Gb/s SAS PCIe controller supports software RAID 0, 1, 10 configurations • LSI 9271-8i 6Gb/s SATA/SAS PCIe controller (1GB cache) supports hardware RAID 0, 1, 5, 10 configurations
Communications	**Integrated:** • Intel 82579 Gigabit Ethernet controller with Remote Wake UP, PXE and Jumbo frames support	**Optional:** • 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

Front	Internal	Rear
3 - USB 2.0 1 - USB 3.0 1 - Microphone 1 - Headphone	3 - USB 2.0 2 - SATA 6.0Gb/s 2 - SATA 3.0Gb/s 2 - SATA 3.0Gb/s (for optical drive(s))	3 - USB 2.0 3 - USB 3.0 2 - PS2 1 - Serial 1 - RJ45 1 - 1394a (optional via add-in card)

Mid-Tower Chassis	**Dimensions** (HxWxD): 16.30 x 6.79 x 18.54"; 414 x 172.6 x 471mm **Slots** (five full length, one half length)**:** Two PCIe x16 Gen 3; one PCIe x16 Gen 3 wired x8 (half length); one PCIe x16 Gen 2 wired x4; one PCIe x1 Gen 2; One PCI 32bit/33MHz	**Bays:** One external slimline optical bay; Two internal 3.5" hard drive bays; one external 5.25" bay; **Power Supply** (externally accessible, toolless, 80 Plus® Gold Certified, 90% efficient)**:** 825W or 685W
Monitor Options	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[6]	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 (see epeat.net for specific registration rating/status by country); China CECP; GS Mark. For a complete listing of declarations and certifications, see Dell's regulatory and compliance homepage at dell.com/regulatory_compliance
Service and Support	3-Year Limited Hardware Warranty[7] and 3-year NBD On-Site Service after Remote Diagnosis[8] Optional: Dell ProSupport[10] 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

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