Big performance. Small footprint.

Looking for a high-end workstation that can deliver groundbreaking performance and exceptional processing power in space-constrained environments? Then look no further. Developed in close collaboration with hardware and software partners, the Dell Precision™ T5500 workstation combines a flexible, compact chassis and intelligent power management to help deliver an ideal solution for financial trading floors, performance clusters, render farms and other crowded, power-sensitive environments. Designed for performance, reliability and scalability in environments where space is at a premium, the Dell Precision T5500 allows you to power through complex tasks and complete your projects faster than the previous generation.

• Next-generation 32nm six-core Intel® Xeon® 5600 series processors ignite stunning levels of performance unleashed by Intel Quick Path Interconnect Technology that provides high-speed interconnects per independent processing core
• Outstanding performance for memory-intensive applications delivered with the help of an integrated memory controller on the processor with dedicated three-channel high-speed memory architecture, multi-level shared cache and high-speed point-to-point interconnects
• Memory scalability up to 72GB² with DDR3 ECC registered DIMMs³
• Dual-native PCIe x16 Gen 2 graphics slots for outstanding graphics performance, cost-effective quad-monitor support and GPU-based personal supercomputing
• Designed to deliver increased performance for single- and multi-threaded applications with advanced engineering and thermal design enabling extended use of Intel Turbo Boost Technology

Visual realism with high-performance OpenGL® graphics

Dell Precision offers an intelligent selection of high-performance graphics cards that can satisfy a range of customer needs from dependable 2D performance to outstanding OpenGL 3D performance.³

Outstanding scalability in a compact chassis

With additional DIMM slots to expand memory capacity up to 72GB² and an innovative chassis designed for flexibility, the Dell Precision T5500 can provide a highly scalable, cost-effective architecture with performance capabilities that can fundamentally change the way you work.
Feature | Dell Precision T5500 Workstation Technical Specifications
--- | ---
Processors | Intel® Xeon® 5600 series processors up to six-cores, 6.4GT/s (Intel QuickPath Interconnect) and 12MB shared cache. Turbo Mode and HyperThreading technology on select processors. All processors are 64-bit, support Intel DBS (demand-based switching) and Intel VT (Intel Virtualization Technology). Note: Intel TXT is not supported.

Operating Systems | • Genuine Windows® 7 Ultimate 32-Bit, Genuine Windows® 7 Ultimate 64-Bit
• Genuine Windows® 7 Professional 32-Bit, Genuine Windows® 7 Professional 64-Bit
• Genuine Windows 7 Ultimate 32-Bit with XP mode: Genuine Windows 7 Ultimate 64-Bit with XP mode
• Genuine Windows Vista® Ultimate SP1, 32-Bit, Genuine Windows Vista® Ultimate SP1, 64-Bit
• Genuine Windows Vista® Business SP1, 32-Bit, Genuine Windows Vista® Business SP1, 64-Bit
• Red Hat® Enterprise Linux® WS v5

Chipset | Intel S520 chipset

Memory | Up to 72GB² with optional dual processors installed. Three-channel memory architecture per processor with up to 1333MHz DDR3 ECC Registered DIMM memory. Up to 9 DIMM slots; 6 slots (2 per channel) on motherboard and additional 3 slots on optional 2nd processor riser card

Flash BIOS | BIOS 8MB flash memory for system BIOS; SMBIOS 2.5 support

Graphics | Support for 2 PCI Express® x16 Gen 2 graphics cards up to 150W. 2 to 8 monitor configurations depending on card(s) chosen

Hard Drive Controller | SATA 3.0Gb/s 7200RPM
Up to 2TB with 16MB DataBurst™ Cache
Up to 250GB with 8MB DataBurst Cache

Audio Controller | Integrated High-Definition Audio CODEC and the IC910’s integrated AC97/High-Definition digital controller

Standard I/O Ports | Eleven USB 2.0: two on front panel, six on back panel, three internal: one serial; one parallel; two PS/2: one RJ-45; stereo line-in and headphone line-out on back panel; microphone and headphones on front panel; one ESATA port on back panel, front and rear IEEE 1394a ports are provided with optional 1394 PCIe card

Dual-orientation Chassis | Dual-orientation Chassis is rackable with optional 3rd party kit

Dimensions | Desktop orientation with feet: (WxHxD) 17.64” x 6.73” x 18.54”; 44.8cm x 17.1cm x 47.1cm (maximum including badge)

Power Supply | 875W 85% efficient Power Factor Correcting (PFC) power supply

Monitor Compatibility | Compatible with performance flat-panel displays, Dell UltraSharp™ widescreen and standard flat-panel displays from 17” viewable image size to 30” viewable image size. Analog flat-panel displays also available

Support and Service | Base: 3-Year Limited Hardware Warranty with 3-year standard Next Business Day (NBD) On-Site After Remote Diagnosis parts replacement and 3-year NBD On-Site Service After Remote Diagnosis Recommended. Optional Dell ProSupport® is designed to rapidly respond to your business’s needs, protect your investment and sensitive data, and provide enhanced proactive support services to help reduce risk and complexity within your IT environment

Learn more at dell.com/Precision

1. Based on testing by Dell Labs in January 2009.
2. Maximum memory with dual processors installed. A 64-bit operating system is required to support 4GB or more of system memory.
3. Significant system memory may be used to support graphics, depending on system memory size and other factors.
4. ISA bridge applies to select configurations.
5. 1GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less. With Dell Factory Image Restore installed, Windows Vista users will have 10GB of their hard drive capacity set aside for a recovery image.
6. The Dell Precision T5500 uses a very efficient power supply design. Dell recommends only Universal Power Supplies (UPS) based on the Sine Wave output for APFC PSU’s. Dell recommends only Universal Power Supplies (UPS) based on the Sine Wave output for APFC PSU’s, not an approximation of a Sine Wave, Square Wave or quasi-square Wave (see UPS Technical Specifications). If you have questions, please contact the manufacturer to confirm the output type.
7. For a copy of 1366 warranty, please visit Dell U.S.A. L.P., Att: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty.
8. Remote Diagnosis is determined by online/phone technician of cause of issue; may involve customer access to inside of unit and multiple or extended sessions. If issue is covered by Limited Hardware Warranty www.dell.com/warranty and not resolved remotely, technician and/or part will be dispatched, usually in 1 or 2 business days following completion of Remote Diagnosis. Availability varies. Other conditions apply.
9. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescription
10. Intel, the Intel logo, Xeon, and Xeon Inside are trademarks or registered trademarks of Intel Corporation in the U.S. and other countries. Microsoft, Windows and Windows Vista are trademarks or registered trademarks of Microsoft Corporation in the U.S. and other countries. Dell is a trademark of Dell Inc. ©2010 Dell Inc. All rights reserved.