

Dell recommends Windows Vista® Business.

DELL PRECISION™ T3500



The Dell Precision™ T3500 Workstation is a productivity machine with a choice of lightning-fast 64-bit dual- or quad-core Intel® Xeon® processors, impressive graphics, and exceptional memory capacity that work together in a flexible and innovative compact chassis to deliver performance, scalability, and flexibility.

AFFORDABLE POWER AND PERFORMANCE

Your work isn't entry level, so why consider a workstation that delivers anything less than advanced levels of performance? With the Dell Precision T3500, you don't have to. Experience the power, scalability, and reliability you've been dreaming about with a system that's specifically designed for professionals as demanding as their complex applications.



To provide you with exceptional flexibility and scalability, the Dell Precision T3500 comes with your choice of dual- or quad-core Intel Xeon processors. The T3500 builds upon the revolutionary Intel Xeon Processor X5500 Series micro-architecture to bring you a workstation with an excellent blend of relevant technologies. What's the difference? Advanced features that combine to deliver a computing experience that's incredibly rich, incredibly powerful, and incredibly fast.

- Next-generation 45nm quad-core Intel Xeon processor X5500 Series ignites 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 processor-dedicated three-channel memory architecture, multi-level shared cache, and high-speed point-to-point interconnects
- Memory scalability up to 24GB¹ with DDR3 ECC DIMMs
- 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 GRAPHICS²

Bring your graphics to the next level with our intelligent selection of ISV-certified, workstation-class graphics cards. Our ultra-high-end graphic solutions deliver outstanding visualization capabilities for whatever application you are running. Enhanced graphics are required whether you work in computer-aided design, architecture, engineering, or digital content creation. Dell Precision workstations provide superb OpenGL® 3D performance or dependable and affordable 2D performance to help make you successful in your designs, animation modeling, software development, or whatever else you use your workstation to create.

OUTSTANDING SCALABILITY IN A COMPACT CHASSIS

In today's professional world of engineering, software development, and digital content creation, you need precision to be successful. We customize each and every Dell Precision workstation to help provide you with exceptional performance and scalability. Whatever your needs – dual core or quad core, ECC or non-ECC memory, flexible dual-orientation chassis – the Dell Precision T3500 provides a highly scalable architecture that delivers outstanding speed and reliability to the cost-conscious professional.

Imagine having the freedom to work the way you've always wanted. With Dell Precision, you can. Plus with ISV application certifications, you know your system is performance-tuned to help ensure that your applications will run smoothly.



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PEACE OF MIND THROUGH ISV APPLICATION CERTIFICATION

Dell partners with leading Independent Software Vendors (ISVs) to certify system and application compatibility to help ensure flawless compatibility and optimized performance in demanding workstation environments. And to ensure access to the latest productivity-enhancing technology solutions, Dell invests in the workstation ISV community by providing the hardware platforms needed to further multi-threaded application development. By maintaining strong relationships with software developers, Dell engineers can provide you with ongoing optimization and support should you need it.

FEATURES		DELL PRECISION™ T3500 WORKSTATION
Processors		Dual-core Intel® Xeon® 3500 series processors; Quad-core Intel Xeon 3500 and 5500 series processors; All processors are 64-bit, select CPUs support Turbo Mode and HyperThreading technology
Operating Systems		Genuine Windows Vista® Ultimate, Genuine Windows Vista Business 32-bit, Genuine Windows Vista Business 64-bit, Downgrade rights to Genuine Windows® XP Pro SP2 32-bit and Genuine Windows XP Pro SP2 64-bit, Red Hat® Enterprise Linux® WS v.5.3 Intel EM64T (Also certified to run Red Hat Enterprise Linux Version 4.7 64-bit)
Chipset		Intel X58
Memory²		Up to 24GB ¹ 1066MHz and 1333MHz ECC and non-ECC memory in 6 DIMM slots
Flash BIOS		BIOS 8MB flash memory for system BIOS; SMBIOS 2.5 support
Graphics²		Support for 2 PCI Express x16 Gen 2 graphics cards up to 225W including: NVIDIA® Quadro® FX 4800; NVIDIA Quadro FX 3800; NVIDIA Quadro FX 1800; NVIDIA Quadro FX 580; NVIDIA Quadro NVS 295; ATI® FirePro V8700; ATI FirePro V5700; ATI FirePro V3750. All graphics cards support dual-monitor configurations
Hard Drives³		SATA 3.0Gb/s: 7200RPM with 8MB DataBurst Cache™ up to 1.5TB, 10K RPM with 16MB DataBurst Cache up to 300GB SAS: 15K RPM up to 450GB, (requires SAS 6/iR controller card) Chassis supports up to four internal SATA drives (6.0TB storage maximum) or three SAS drives
Networking		Integrated Broadcom® 5761 Gigabit Ethernet controller with Remote Wake UP and PXE support
Audio Controller		Integrated High Definition Audio, 24-bit analog-to-digital; 24-bit digital-to-analog stereo conversion
Standard I/O Ports		Eleven USB 2.0: two on front panel, six on back panel, three internal (UDOC) on motherboard; eSATA: one rear; one serial; one parallel; two PS/2; one RJ-45; stereo line-in and headphone line-out on back panel; microphone and headphone connector on front; IEEE 1394a ports are provided with optional 1394 PCIe card
RACK-MOUNTABLE CHASSIS		
Dual-orientation Desktop		Dimensions: Mini-tower orientation: (HxWxD) 17.6" x 6.8" x 18.4"; 44.7 cm x 17.2 cm x 46.8 cm Desktop orientation with feet: (WxHxD) 17.6" x 6.8" x 18.4" (maximum including badge); 44.7 cm x 17.2 cm x 46.8 cm (maximum including badge)
Slots and Bays		Bays: Two internal 3.5" HDD bays; two external 5.25" optical bays, one of which can accommodate a third HDD in desktop orientation; one external 3.5" flex bay for floppy or media card reader or third (SATA) HDD, in mini-tower orientation Slots: All full-length except as noted. Two PCIe x8 slot wired as x4 (half-length); two PCIe x16 Gen 2 graphics slots; two PCI slots
Power Supply		525W Wide Ranging 85PLUS Power Factor Correcting (PFC) power supply; 525W Active 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 to 30" viewable; analog flat-panel displays also available
Keyboard		Dell Enhanced QuietKey USB or optional: Enhanced Multimedia USB or Smart Card keyboard USB
Mouse		Dell USB two-button mouse or optional Dell USB optical two-button scroll mouse
Optional Speakers		Optional Speakers Internal chassis speaker; Dell two- and three-piece stereo system; Dell sound bar for all flat-panel displays
Storage Devices		Optional Removable Storage: CD-RW/DVD Combo, DVD-ROM, DVD+/-RW, Blu-ray Disc™, USB Floppy Drive, USB media card reader Optional Modem: Dell 56K v.92 Data/Fax PCI modem
Security		Software: Trusted Platform Module 1.2 (TPM 1.2); Chassis intrusion switch; Setup/BIOS Password; I/O Interface Security Hardware: Kensington® Lock slot, Padlock ring, Internal front-panel chassis lock
Environmental and Regulatory		Please refer to Safety Best Practices information on the Regulatory Compliance Homepage on www.dell.com at the following location: www.dell.com/regulatory_compliance
Service and Support		Base: 3-Year Limited Warranty ⁴ with 3 years standard Next Business Day (NBD) On-Site ⁵ parts replacement and 3 years NBD On-Site Service ⁵ Recommended: Dell ProSupport ⁶ 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.

SIMPLIFY YOUR WORKSTATION AT DELL.COM/Precision

1. A 64-bit operating system is required to support 4GB or more of system memory.
2. Significant system memory may be used to support graphics, depending on system memory size and other factors.
3. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
4. 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
5. May be provided by third-party. Technician dispatched, if necessary, following phone-based troubleshooting. Availability varies. See www.dell.com/servicecontracts for details.
6. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions.

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