



Dell Precision T3500

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-, quad- or 6-core Intel® Xeon® processors. The Dell Precision T3500 builds upon the revolutionary Intel Xeon processor 5600 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 32nm quad-core Intel Xeon processor 5600 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-certified³, 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 certifications³, you know your system is performance tuned to help ensure that your applications will run smoothly.

Peace of mind through ISV application certification

Dell partners with leading Independent Software Vendors (ISVs) to certify system and application compatibility³ 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.

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The Dell Precision T3500 workstation is a productivity machine with a choice of lightning-fast 64-bit dual-, quad- or 6-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

Feature	Dell Precision T3500 Workstation Technical Specifications							
Processors	Intel® Xeon® 5600 series processors up to six-cores with up to 6.4GT/s (Intel QuickPath Interconnect) and up to 12MB shared cache. Turbo Boost Mode 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. Turbo Mode and HyperThreading technology on select processors							
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 v.5.3 EM64T (Also certified to run Red Hat Enterprise Linux Version 4.7 64-Bit)							
Chipset	Intel X58							
Memory	Up to 24GB ⁴ 1333MHz ECC and non-ECC memory in 6 DIMM slots							
Flash BIOS	BIOS 8MB flash memory for system BIOS; SMBIOS 2.5 support							
Graphics ²	Support for 2 PCI Express® x16 Gen 2 graphics cards up to 150W. 2 to 8 monitor configurations depending on card(s) chosen. <table><tr><td>High End 3D NVIDIA® Quadro® 5000 NVIDIA Quadro 4000</td><td>Mid-range 3D AMD FirePro V7900 ATI FirePro V7800 AMD FirePro V5900 ATI FirePro V5800 NVIDIA Quadro 2000</td><td>Entry 3D ATI FirePro V4800 NVIDIA Quadro 600</td><td>Professional 2D (not certified) ATI FireMV™ V2260 NVIDIA Quadro NVS 420 NVIDIA Quadro NVS 295</td></tr></table>				High End 3D NVIDIA® Quadro® 5000 NVIDIA Quadro 4000	Mid-range 3D AMD FirePro V7900 ATI FirePro V7800 AMD FirePro V5900 ATI FirePro V5800 NVIDIA Quadro 2000	Entry 3D ATI FirePro V4800 NVIDIA Quadro 600	Professional 2D (not certified) ATI FireMV™ V2260 NVIDIA Quadro NVS 420 NVIDIA Quadro NVS 295
High End 3D NVIDIA® Quadro® 5000 NVIDIA Quadro 4000	Mid-range 3D AMD FirePro V7900 ATI FirePro V7800 AMD FirePro V5900 ATI FirePro V5800 NVIDIA Quadro 2000	Entry 3D ATI FirePro V4800 NVIDIA Quadro 600	Professional 2D (not certified) ATI FireMV™ V2260 NVIDIA Quadro NVS 420 NVIDIA Quadro NVS 295					
Hard Drives ⁵	Chassis supports up to four internal SATA drives (8.0TB storage maximum) or three SAS drives (SAS drives require SAS 6/iR controller card) <table><tr><td>SATA 3.0GB/s 7200RPM Up to 2.0TB⁶ with 8MB DataBurst Cache</td><td>SATA 3.0GB/s 10K RPM Up to 600GB⁶ with 16MB DataBurst™ Cache</td><td>SAS 15K RPM Up to 600GB⁶</td><td>SSD 256GB⁵</td></tr></table>				SATA 3.0GB/s 7200RPM Up to 2.0TB ⁶ with 8MB DataBurst Cache	SATA 3.0GB/s 10K RPM Up to 600GB ⁶ with 16MB DataBurst™ Cache	SAS 15K RPM Up to 600GB ⁶	SSD 256GB ⁵
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Communications	Network Controller: Integrated Broadcom® 5761 Gigabit Ethernet controller with Remote Wake UP and PXE support Modem: Optional Dell 56K v.92 Data/Fax PCI modem							
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							
Dual-orientation Desktop	Dimensions: Desktop orientation with feet: (WxHxD) 17.6" x 6.8" x 18.4"; 44.7cm x 17.2cm x 46.8cm (maximum including badge) Mini-tower orientation: (HxWxD) 17.6" x 6.8" x 18.4"; 44.7cm x 17.2cm x 46.8cm 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 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, or Dell sound bar for all flat-panel displays							
Storage Devices	CD-RW/DVD Combo; DVD-ROM; DVD+/-RW; Blu-ray; USB Floppy Drive; USB media card reader							
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/regulatory_compliance							
Service and Support	Base: 3-Year Limited Warranty ⁶ with 3-year standard Next Business Day (NBD) On-Site ⁷ parts replacement and 3-year NBD On-Site Service ⁷ Recommended: Dell ProSupport ⁸ 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 ISV certification applies to select configurations

⁴ GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

⁵ The Dell Precision T3500 uses a very efficient Active Power Factor Correction (APFC) power supply. Dell recommends only Universal Power Supplies (UPS) based on Sine Wave output for APFC PSUs, 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.

⁶ 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

⁷ May be provided by third-party. Technician dispatched, if necessary, following phone-based troubleshooting. Availability varies. See www.dell.com/servicecontracts for details.

⁸ Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions.

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