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 24GB 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 graphics

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.

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.

Dell Precision T3500

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.
## Dell Precision T3500 Workstation Technical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Dell Precision T3500 Workstation Technical Specifications</th>
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<tbody>
<tr>
<td><strong>Processors</strong></td>
<td>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</td>
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</table>
| **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® Vista® Ultimate SPL 32-Bit, Genuine Windows Vista® Ultimate SPL 64-Bit  
• Genuine Windows Vista® Business SPL 32-Bit, Genuine Windows Vista® Business SPL 64-Bit  
• Red Hat® Enterprise Linux® 5.5 and 5.5EM64T (Also certified to run Red Hat Enterprise Linux Version 4.7 64-Bit) |
| **Chipset** | Intel X58 |
| **Memory** | Up to 24GB  
Up to 14GB with no Hyper Threading. Up to 32GB with HyperThreading technology. Up to 64GB with Intel® Turbo Boost Technology 2.0. If the host is single processor, it can support up to 32GB with HyperThreading. If the host is dual processor, it can support up to 64GB with HyperThreading. |
| **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.  
Support for 4 PCI Express® x16 Gen 2 graphics cards up to 275W.  
2 to 8 monitor configurations depending on card(s) chosen.  
NVIDIA® Quadro® 5000  
NVIDIA Quadro® 6000  
NVIDIA Quadro® 4000  
NVIDIA Quadro® 4000 (not certified)  
ATI FirePro V5800  
NVIDIA Quadro® 5800  
NVIDIA Quadro® 5900  
NVIDIA Quadro® 5600  
AMD FirePro V9800  
ATI FirePro V8800 |
| **Hard Drives** | Chassis supports up to four internal SATA drives (8.0TB storage maximum) or three SAS drives (SAS drives require SAS 6/iR controller card)  
SATA 3.0GB/s 7200RPM  
Up to 2.0TB with 8MB DataBurst Cache  
Up to 600GB with 16MB DataBurst Cache  
SSD  |
| **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 R2-45; 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 Quatetkey™ 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 channel 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 at the following location: www.dell.com/regulatory_compliance  
Service and Support: Base: 3-Year Limited Warranty with 3-year standard Next Business Day (NBD) On-Site parts replacement and 3-year NBD On-Site Service  
Recommended: Dell ProSupport 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 |

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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 ISV certification applies to select configurations  
6 Significant system memory may be used to support graphics, depending on system memory size and other factors.  
7 GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.  
8 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  
9 May be provided by third-party. Technician dispatched, if necessary, following phone-based troubleshooting. Availability varies. See www.dell.com/servicecontracts for details.  
10 Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdescriptions.  
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