

# Dell Precision™ T3400 Workstation

**Breaking Barriers in Balancing  
Performance, Scalability, and  
Affordability!**

## Affordable Power & 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 T3400 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 the ultimate flexibility and scalability, The Dell Precision T3400 comes with your choice of dual core, quad core, or Core 2 Extreme processors. The T3400 builds upon the revolutionary Intel® Core™ 2 duo processor microarchitecture to deliver an optimized workstation that breaks performance barriers. What's the difference? Advanced features that combine to deliver a computing experience that's incredibly rich, incredibly powerful, and incredibly fast.

- Latest Intel Architecture offers better throughput and increased bandwidth than previous generations
- Fast computing speed with support for 1333MHz front side bus processors
- Supports dual native PCIe X16 graphics slots for dual monitors
- 800MHz of RAM for faster memory access and up to 8 GB<sup>3</sup> of system memory
- Optional 525 watt wide-ranging power supply

## Amazing 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 capabilities 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.

## Ultimate Scalability

In today's professional world of Engineering, Software Development, or Digital Content Creation you need precision to be successful. Unlike our competitors we customize each and every Dell Precision workstation to provide you with the ultimate in performance and scalability. Whatever your needs, dual core or quad core, ECC or non-ECC memory, flexible dual-orientation chassis, the Dell Precision T3400 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 certification, 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 assure access to the latest productivity enhancing technology solutions, Dell invests in the workstation ISV community by providing the hardware platforms needed to further multithreaded application development. By maintaining strong relationships with software developers, Dell engineers can provide you with ongoing optimization and support, should you need them.



Image courtesy of Adobe®

**YOU'VE GOT TALENT. GET THE WORKSTATION TO MATCH IT.**

[www.dell.com/workstations](http://www.dell.com/workstations)



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## SYSTEM

<b>Processors</b>	Intel® Core™ 2 Extreme with 1333MHz FSB, 2x4MB L2 cache Intel Core 2 Extreme with 1066MHz FSB, 2x 4MB L2 cache Intel Core 2 Quad with 1066MHz FSB, 2x 4MB L2 cache Intel Core 2 Duo with 1333MHz FSB, 4MB L2 cache Intel Core 2 Duo with 800MHz FSB, 2MB L2 cache All processors support 64-bit computing with Intel EM64T
<b>Operating systems</b>	Dell recommends Genuine Windows Vista™ Business Genuine Windows Vista™ Business; Genuine Windows Vista™ Ultimate; Genuine Windows® XP Professional and Windows® XP Professional x64 Edition; Red Hat® Enterprise Linux® WS v.5
<b>Chipset</b>	Intel X38 Express chipset
<b>Memory</b>	Four DIMM slots support up to 8GB <sup>2</sup> dual-channel <sup>3</sup> DDR2 800MHz or 667MHz non-ECC and ECC memory
<b>Flash BIOS</b>	8MB flash memory for system BIOS; SMBIOS 2.3.1 support
<b>Graphics</b>	Support for two PCI Express x16 graphics cards up to 300 watts and with up to 768MB graphics memory including: NVIDIA Quadro® FX 4600; NVIDIA Quadro FX 1700; NVIDIA Quadro® FX 570; NVIDIA Quadro® NVS 290; All graphics cards support dual monitor configurations
<b>Hard drives</b>	SATA 3.0Gb/s: 7200RPM with 8MB DataBurst Cache™ up to 750GB <sup>1</sup> , 10K RPM with 16MB DataBurst Cache up to 160 GB <sup>1</sup> SAS: 15K RPM up to 146GB <sup>1</sup> , (requires SAS 6/iR controller card) Chassis supports up to four internal SATA drives (1.8TB <sup>1</sup> storage maximum) or three SAS drives
<b>Removable storage</b>	Optional: DVD+/-RW <sup>4</sup> ; CD-RW/DVD Combo; DVD-ROM <sup>5</sup> ; CD-ROM; USB media card reader
<b>Hard drive controller</b>	Integrated SATA 3.0Gb/s controller with support for RAID 0, 1, 5 and 10; optional SAS 6/iR controller card for SAS RAID 0, 1
<b>Network controller</b>	Integrated Broadcom® 5754 Gigabit <sup>6</sup> Ethernet controller with Remote Wake Up and PXE support
<b>Audio controller</b>	Integrated High Definition Audio, 24 bit analog-to-digital; 24-bit digital-to-analog stereo conversion
<b>Optional modem</b>	Dell 56K <sup>7</sup> v.92 Data/Fax PCI modem
<b>Optional audio</b>	SoundBlaster® X-Fi™ XtremeMusic (D)† with Dolby® Digital 5.1

†Certain system components may differ from the retail version.

## CHASSIS

<b>Dual-orientation desktop</b>	Mini-tower orientation: (HxWxD) 17.6" x 6.8" x 18.4"; 44.7 cm x 17.1 cm x 46.8 cm
<b>Slots &amp; Bays</b>	Internal - Two 3.5" HDD bays; External - Two 5.25" optical bays, one 3.5" flex bay with an additional 3.5" bay in mini-tower; Two PCIe x16 graphics slots, One PCIe x8 slot wired as x4, Three 5v PCI 32bit/33Mhz slots
<b>Standard I/O ports</b>	Eleven USB 2.0: two front, six rear, three internal; One serial (2nd serial optional); One parallel; Two PS/2; One RJ-45; Microphone and headphone connector on front panel; Two rear connectors for line-in and line-out
<b>Optional I/O</b>	IEEE 1394a available with add-in card; connector located on front panel
<b>Power Supply</b>	375 watt Power Factor Correcting (PFC) power supply or 525 watt wide-ranging power supply
<b>Security</b>	Trusted Platform Module 1.2; WAVE® Embassy® Trust Suite; Setup/BIOS Password; I/O Interface Security; Chassis intrusion switch; Biometric Fingerprint Reader; Kensington lock

## EXTERNAL PERIPHERALS

<b>Monitors</b>	Performance flat panel displays, Dell UltraSharp™ widescreen and standard flat panel displays from 17" viewable to 30" viewable; Analog flat panel displays also available
<b>Keyboard</b>	USB: Dell QuietKey, Enhanced Multimedia, Smartcard Reader keyboard; Bluetooth Keyboard and Mouse
<b>Mouse</b>	USB: Dell two-button mechanical with scroll, Dell two-button optical with scroll
<b>Optional Speakers</b>	Internal chassis speaker; Dell two and three piece stereo system; Dell sound bar available for flat panel displays

## ENVIRONMENTAL &

<b>REGULATORY</b>	<b>Standards</b>	Energy Star 4.0, TCO99, Blue Angel, Green PC, BSMI, C-TICK, CE, FCC, IRAM, NEMKO, NFPA 99, SABS, SASO, TCO, TUV, UL, VCCI, WEEE
	<b>Lead Free</b>	Environmentally conscious design is RoHS Compliant <sup>8</sup> /Lead Free <sup>9</sup>

## SERVICE & SUPPORT

<b>Base Recommended</b>	3-Year Limited Warranty <sup>10</sup> with 3 years standard Next Business Day (NBD) onsite <sup>11</sup> parts replacement and 3 years NBD onsite <sup>11</sup> labor (US Only) 3-Year Same Business Day 4 hour On-site Service <sup>11</sup> – 5 days a week, M-F 10 hours a day (8-6PM) 3-Year Same Business Day 4 hour On-site Service <sup>11</sup> – 7 days a week, 24 hours a day 3 & 4-year Gold Technical Support, expert support via phone, e-mail and online chat - 7 days a week, 24 hours a day
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NOTE: Some applications and peripherals are not compatible with a 64-bit operating system environment. Be sure to verify with all of your current application vendors that your full application suite is compatible before purchasing a Dell Precision workstation with a 64-bit operating system. For more details on Dell systems that run Windows® Vista™, see [www.dell.com/vista](http://www.dell.com/vista). Dell's Terms and Conditions of Sales and Service apply and are available upon request. Dell cannot be held responsible for errors in typography or photography.

1 For hard drives, GB 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. 2 The total amount of available memory will be less than 4GB. The amount less depends on the actual system configuration. To fully utilize 4GB or more of memory requires a 64-bit enabled processor and 64-bit operating system. 3 Dual-channel memory requires two each of the same capacity memory DIMMs. 4 Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility. 5 DVD-ROM drives may have write-capable hardware that has been disabled via firmware modifications. 6 This term does not connote an actual operating speed of 1 GB/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. 7 Download speeds are limited to 53K bps. Upload speeds are less (about 30Kbps). Speeds can vary by line condition and modem manufacturer. Analog phone line and service required. 8 Meets the requirements of the EU Directive on the Restriction of the use of certain Hazardous Substances dated January 27, 2003. 9 Per the EU Directive on the Restriction of the use of certain Hazardous Substances directive, this system (chassis and factory installed components) or configuration contains less than 0.1% lead by weight. 10 For a complete copy of our guarantees and limited warranties, please write Dell U.S.A. L.P., Attention: Warranties, One Dell Way, Round Rock, TX 78682. For more information, visit <http://www.dell.com/warranty>. 11 Service may be provided by third-party. Technician will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. U.S. only.

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