

# 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 optimised 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>1</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 visualisation 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 modelling, 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 customise 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 optimised 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 optimisation and support, should you need them.



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## SYSTEM

### PROCESSORS

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

### OPERATING SYSTEMS

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

### CHIPSET

Intel X38 Express chipset

### MEMORY

Four DIMM slots support up to 8GB<sup>1</sup> dual-channel<sup>2</sup> DDR2 800MHz or 667MHz non-ECC and ECC memory<sup>1</sup>

### FLASH BIOS

8MB flash memory for system BIOS; SMBIOS 2.3.1 support

### GRAPHICS

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<sup>10</sup>

### HARD DRIVES

SATA 3.0Gb/s: 7200RPM with 8MB DataBurst Cache™ up to 750GB;<sup>3</sup> 10K RPM with 16MB DataBurst Cache up to 160 GB<sup>3</sup>  
SAS: 15K RPM up to 146GB;<sup>3</sup> (requires SAS 6/iR controller card)  
Chassis supports up to four internal SATA drives (1.8TB3 storage maximum) or three SAS drives

### REMOVABLE STORAGE

Optional: DVD+/-RW<sup>4</sup>; CD-RW/DVD Combo; DVD-ROM<sup>4</sup>; CD-ROM; USB media card reader

### HARD DRIVE CONTROLLER

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

### NETWORK CONTROLLER

Integrated Broadcom® 5754 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

### OPTIONAL MODEM

Dell 56Kv.92 Data/Fax PCI modem

### OPTIONAL AUDIO

SoundBlaster® X-Fi™ XtremeMusic (D) with Dolby® Digital 5.1  
†Certain system components may differ from the retail version.

## CHASSIS

### DUAL ORIENTATION DESKTOP

Mini-tower orientation: (HxWxD) 17.6" x 6.8" x 18.4"; 44.7 cm x 17.1 cm x 46.8 cm

### SLOTS & BAYS

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

### STANDARD I/O PORTS

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

### OPTIONAL I/O

IEEE 1394a available with add-in card; connector located on front panel

### POWER SUPPLY

375 watt Power Factor Correcting (PFC) power supply or 525 watt wide-ranging power supply

## SECURITY

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

### MONITORS

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

USB: Dell QuietKey, Enhanced Multimedia, Smartcard Reader keyboard;  
Bluetooth Keyboard and Mouse

### MOUSE

USB: Dell two-button mechanical with scroll, Dell two-button optical with scroll

### OPTIONAL SPEAKERS

Internal chassis speaker; Dell two and three piece stereo system; Dell sound bar available for flat panel displays

## ENVIRONMENTAL & REGULATORY

### STANDARDS

US 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

### LEAD FREE

Environmentally conscious design is RoHS Compliant/Lead Free<sup>12</sup>

## SERVICE & SUPPORT

### BASE

3-Year Limited Service with 3 years standard Next Business Day (NBD) onsite<sup>8</sup> parts replacement and 3 years NBD onsite<sup>8</sup> labour

### RECOMMENDED

3-Year Same Business Day 4 hour On-site Service<sup>8</sup> – 5 days a week, M-F 10 hours a day (8-6PM)  
3-Year Same Business Day 4 hour On-site Service<sup>8</sup> – 7 days a week, 24 hours a day  
3 & 4-year Gold Technical Support,<sup>13</sup> expert support via phone, e-mail and online chat – 7 days a week, 24 hours a day

- 1 The total amount of available memory will be less than 4GB. The amount less depends on the actual system configuration.
- 2 Dual-channel memory requires 2 each of the same capacity memory DIMMs.
- 3 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.
- 4 Meets the requirements of the EU Directive on the restriction of the use of certain Hazardous Substances dated January 27, 2003.
- 5 Modem download speeds are limited to 53Kbps. Upload speeds are less (about 30Kbps). Speeds can vary by line condition and modem manufacturer. Analog phone line and service required.
- 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 Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media with +RW/+R drive provides maximum compatibility; R=capability to burn disc once; RW=capability to burn disc multiple times. Special media/disc required, and third party software may also be required for certain applications.
- 8 Technician, replacement part or unit (depending on service contract) will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions (on site and/or next business day service not available in some locations) and terms of service contract. Service timing dependent upon time of day call placed to Dell. Defective unit must be returned or paid for. Replacements may be refurbished.
- 9 The DVD region code can be changed up to 5 times and will then be locked on the final region code selected.
- 10 The total of local and shared system memory used by this graphics card is up to 512MB. Local on-board memory is 256MB.
- 11 Your graphics solution may use a portion of your system memory to support graphic depending on your operating system, system memory size and other factors.
- 12 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.
- 13 Gold Technical Support is available for Latitude, OptiPlex and Dell Precision only. In the event of a system or part replacement which may require access to an optical device and the customer has opted out of an optical device, Dell reserves the right to decline service until the customer grants Dell access to an optical device to enable support and serviceability.

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