

# Dell Precision 380 Workstation



The Dell Precision™ 380 Workstation is a robust, scalable entry level workstation designed for computing environments that require optimized performance, expandability and reliability in a uni-processor architecture.

## Redefining Customer Productivity in the Entry Workstation Space

The Dell Precision 380 marks the first generation of a powerful new Intel® core architecture that provides support for dual-core Intel® Pentium® D processors in addition to the fastest Intel Pentium 4 processors available today. Optimized for performance, an ISV-certified Dell Precision workstation can help improve user productivity and quality of work.

## Delivering Productivity Gains with 64-Bit Technology

Unleash the power of 64-bit processing and larger memory addressability<sup>1</sup> to design bigger, animate with more realism and help improve accuracy for critical applications. Up to 8GB<sup>1</sup> of high speed DDR2 memory is supported, enabling high performance by reducing the need to swap large amounts of data to disk. Optional ECC memory can provide a more robust operating environment. For storage intensive applications such as digital content creation, Dell delivers great performance and expanded disk configuration flexibility with support for 10,000 RPM SATA drives and RAID 0, 1, 5, and 10. Legacy support is also present for customers who need access to 32-bit PCI expansion slots. Users can appreciate increased performance today while IT managers can be assured of a smooth transition path to 64-bit operating systems and applications.

## Workstation-Class PCI Express x16 Graphics

Dell Precision offers an intelligent selection of ISV certified workstation-class graphics cards that can satisfy a range of customer needs from unprecedented OpenGL 3D performance to dependable 2D performance with optional dual monitor capability.

## Peace of Mind with ISV Application Certifications

Dell partners with leading Independent Software Vendors (ISVs) to certify system and application compatibility so that your applications will run powerfully and efficiently on Dell Precision workstations. Through rigorous testing, Dell helps 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 multi-threaded application development. In turn, Dell hardware can deliver continuous performance gains as applications become optimized. Plus, Dell provides specialized ISV-knowledgeable service and support to keep your system running smoothly with your applications.

## A Flexible New Dell Precision 380 Chassis

Dell Precision 380 comes in a scalable chassis that can allow you the flexibility to configure a system matched to your unique requirements. The innovative chassis helps provide investment protection by supporting both mini-tower and desktop orientations with rotating optical storage to match. The chassis has been designed to enable easy access to its interior without the requirement for additional desk space to open the system. With a full range of performance options such as high-performance PCI Express, PCI expansion slots, an optional U320 SCSI RAID (0,1) controller and a choice of ISV-certified graphics cards, the Dell Precision 380 is designed with your future needs in mind.

## Rich and Reliable Manageability Features

The Dell™ OpenManage™ suite of products delivers software and hardware management features designed to lower your TCO and keep your workforce productive and current by enabling mass system updates, providing system alerts and allowing for after hours software updates/imaging. In addition, you receive the benefits of Dell service and support with three year Next Business Day On-Site service<sup>10</sup>. Providing uncompromised performance, exceptional scalability and flexibility and the latest processor technology, the Dell Precision 380 is well suited for your challenging entry workstation applications.



GET MORE PERFORMANCE AND VALUE. GET MORE OUT OF NOW.



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## FEATURES Dell Precision™ 380

### SYSTEM

<b>Processors</b>	64-bit Intel® Pentium® dual-core or single-core processors with 800MHz front side bus and 2MB L2 cache per processor; Hyper-Threading Technology and 1066MHz FSB available with select processors. All Intel Pentium processors support 64-bit computing with Intel Extended Memory 64 Technology
<b>Operating systems</b>	Dell recommends Microsoft® Windows® XP Professional for Business Genuine Windows XP Professional; Genuine Windows XP Professional x64 Edition; Red Hat® Enterprise Linux WS v.4 (IA32); Red Hat Enterprise Linux WS v.4 (Intel EM64T)
<b>Chipset</b>	Intel 955X chipset
<b>Memory</b>	Up to 8GB <sup>1</sup> dual-channel <sup>2</sup> DDR2 533MHz ECC registered memory; Four DIMM slots; 667MHz and non-ECC memory also available
<b>Graphics</b>	Support for ISV-certified PCI Express graphics cards up to 150 watts and with up to 512MB graphics memory including: nVIDIA® Quadro® FX 4500; nVIDIA Quadro FX 3450; Quadro FX 1400; ATI™ FireGL™ V3100; nVIDIA Quadro NVS 285; All graphics cards support dual monitor configurations
<b>Hard drives</b>	Serial ATA/150 7,200 RPM drives up to 500GB <sup>3</sup> and Serial ATA/150 10,000 RPM drives at 80GB <sup>3</sup> ; Chassis supports up to three SATA drives in desktop orientation or four SATA in tower orientation (up to 2 terabytes <sup>3</sup> storage maximum); Also available, Ultra 320 SCSI 10,000RPM drives up to 300GB <sup>3</sup> and 15,000RPM drives up to 146GB <sup>3</sup> ; Chassis supports up to three SCSI drives in either desktop or tower orientation (U320 SCSI controller card required)
<b>Hard drive controller</b>	Integrated Serial ATA with RAID 0, 1, 5, 10; Optional Ultra 320 SCSI controller with RAID 0, 1
<b>Network controller</b>	Integrated PCI Express Broadcom® BCM5751 10/100/1000 Gigabit <sup>4</sup> Ethernet
<b>Audio controller</b>	Integrated AC'97 audio; Optional Sound Blaster® Audigy® 2 (D) <sup>5</sup>
<b>Standard I/O ports</b>	Eight USB 2.0: two on front panel, five on back panel, one internal; One serial (second serial optional); One parallel; Two PS/2; One RJ-45; Line-in, line-out, and microphone connectors on back panel; Speaker and headphone connectors on front panel
<b>Optional I/O</b>	IEEE 1394a connector available with add-in card; PCMCIA reader

### CHASSIS

<b>Multiple orientation desktop</b>	Desktop orientation with feet: (WxHxD) 17.61" x 6.7" x 18.44"; 44.73 cm x 17.2 cm x 46.84 cm Mini-Tower orientation with feet: (WxHxD) 6.7" x 17.61" x 18.44"; 17.2 cm x 44.73 cm x 46.84 cm Two internal 3.5" x 1" disk drive bays; Two external 5.25" drive bays; One external 3.5" flex bay for optional floppy drive or optional internal USB media card reader (desktop orientation); Mini-Tower orientation includes two external flex bays for optional floppy drive or optional internal USB media card reader and 4th SATA drive; One PCI Express x16 graphics slot; One PCIe x8 slot (wired as x4); Three PCI slots (32-bit 5V); 375 watts Power Factor Correcting (PFC) power supply
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### PERIPHERALS

<b>Monitors</b>	Performance Flat Panel Displays: Dell UltraSharp™ widescreen and standard flat panel displays from 17" viewable to 24" viewable Value Flat Panel Displays and CRT Monitors also available
<b>Keyboard</b>	Dell Smart Card and Enhanced Multimedia keyboards; Dell Quietkey™ keyboard standard
<b>Mouse</b>	Dell optical mouse with scroll; Dell mechanical mouse with scroll standard
<b>Optional Speakers</b>	Internal chassis speaker; Dell two piece stereo system; Dell sound bar available for all flat panel displays

### STORAGE DEVICES

<b>Optional Removable Storage</b>	Including DVD+RW <sup>6</sup> , CD-RW/DVD-ROM combo drive and Dell USB Memory Key up to 512MB <sup>7</sup>
<b>Optional Modem</b>	Dell 56K <sup>8</sup> v.92 Data/Fax PCI modem

### ENVIRONMENTAL & REGULATORY

<b>Standards</b>	TCO99; Blue Angel; Green PC; Energy Star; BSMI; C-TICK; CE; FCC; IRAM; EMKO; NFPA 99; SABBS; SASO; TCO; TUV; UL; VCCI; USB 2.0; Lead Free <sup>11</sup> and RoHS Compliant <sup>12</sup> chassis and motherboard
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### SERVICE & SUPPORT

<b>Base</b>	3-Year Limited Warranty <sup>9</sup> with 3 years standard Next Business Day On-site Service <sup>10</sup> (US Only)
<b>Recommended</b>	3-Year Same Business Day 4 hour On-site Service <sup>10</sup> – 5 days a week, M-F 10 hours a day 3-Year Same Business Day 4 hour On-site Service <sup>10</sup> – 7 days a week, 24 hours a day 3 & 4-year Gold Technical Support under local hours of operation

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.

Dell PCs use genuine Microsoft Windows. [www.microsoft.com/piracy/howtotell](http://www.microsoft.com/piracy/howtotell). 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. <sup>1</sup> The total amount of usable memory available will be less, depending on the actual system configuration. To utilize more than 4GB of memory requires a 64-bit operating system. <sup>2</sup> Dual-channel memory requires 2 each of the same capacity memory DIMMs. <sup>3</sup> For hard drives, one GB means 1 billion bytes and one TB equals one trillion bytes; actual capacity varies with preloaded material and operating environment and will be less. <sup>4</sup> 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. <sup>5</sup> Certain system components may differ from the retail version. <sup>6</sup> Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility. <sup>7</sup> For writeable storage devices, MB means 1 million bytes; total accessible capacity varies depending on operating environment. <sup>8</sup> 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. <sup>9</sup> 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/us/en/gen/misc/policy\\_010\\_policy.htm](http://www.dell.com/us/en/gen/misc/policy_010_policy.htm). <sup>10</sup> 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. <sup>11</sup> Per the EU Restriction on certain Hazardous Substances directive, this product or configuration contains less than 0.1% lead by weight. <sup>12</sup> Meets the requirements of the EU Restriction on certain Hazardous Substances directive dated January 27, 2003. Dell, the Dell logo, Dell Precision, OpenManage, and UltraSharp are trademarks of Dell Inc. Intel, Intel Inside, the Intel Inside logo, Intel PRO and Xeon are trademarks or registered trademarks of Intel Corporation. Microsoft, Windows and the Windows logo are registered trademarks or trademarks of Microsoft Corporation in the U.S. and other countries. Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own. © Copyright 2005 Dell Inc. All rights reserved. Ad# 59961968

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