

THE DELL PRECISION™ M6400



The Dell Precision™ M6400 Mobile Workstation ignores rules and breaks new ground in mobile workstation performance. Intel® Core™2 Duo Extreme Edition Quad-Core Processors combine with massive memory scalability and NVIDIA® OpenGL® graphics technology in a stunning 17" chassis to target the ultimate in certified application performance.

**IT'S NOT JUST DESIGNED TO MEET YOUR NEEDS —
IT'S DESIGNED TO EXCEED YOUR EXPECTATIONS**

The Dell Precision M6400 features the next generation NVIDIA® Quadro® FX 2700M and FX 3700M¹ graphics processors with 512MB or 1GB of dedicated graphics memory.²



This highly advanced new mobile workstation was designed from the ground up to deliver world-class graphics and CPU performance for running highly complex professional applications. It is a certified mobile workstation that will manipulate complex, creative designs with ease. The M6400 brings high-end mobile workstation performance to a new level with a stunning, high resolution, bright display that will bring your creative work to life. Work at the speed of thought.

- Number crunching horsepower with next-generation Intel Core 2 Duo Processors and Intel Core 2 Duo Extreme Edition Quad-Core Processors
- Up to 16GB³ of high bandwidth dual-channel 1066MHz DDR3 memory
- High performance, optional RAID, and storage up to 1TB⁴ with dual internal hard drive bays
- Sleek aluminum chassis with optional edge-to-edge glass with 100% Adobe® color gamut support

Taking advantage of the Intel® Q43 chipset technology enables excellent system scalability and performance. All of this in a mobile workstation starting at just 8.54 lb.⁵ (3.88kg) helps deliver stunning desktop replacement performance in a mobile package.

COMPATIBLE AND ROBUST

The latest Dell Precision Mobile Workstations are part of the Dell™ E-Family product line. The Dell Precision Mobile Workstations are compatible with all E-Family accessories, including port replicators, notebook stands, display and monitor stands, and external storage modules. The E-Family product line also offers DisplayPort technology, allowing the user to connect to a variety of different display devices with a single DisplayPort. The Dell Precision product line is built tough with magnesium-alloy chassis and display backs that meet rigorous standards for durability. Optional features include fingerprint reader, 2-megapixel camera, dual array microphones, jog shuttle, and solid state drives.

PEACE OF MIND THROUGH ISV APPLICATION CERTIFICATION

Dell is the world's leading workstation vendor⁶ and partners with strategic Independent Software Vendors (ISVs) to certify system and application compatibility so that your applications can run gracefully on Dell Precision Workstations. Through rigorous testing, Dell also targets guaranteed compatibility and optimized performance in demanding work environments such as Computer Aided Design (CAD), animation, engineering, and architecture, making the M6400 an exceptional platform for extremely demanding workstation users who need to be mobile.

FEATURES		Dell Precision™ M6400 Mobile Workstation
Processors		Intel® Core™2 Duo and Intel® Core 2 Duo Extreme Edition processors with 1066MHz front side bus and up to 12MB shared cache. Up to X9100 (3.06GHz, 1066MHz, 6M L2 Cache) dual-core or QX9300 (2.53GHz, 1066MHz, 12M L2 Cache) quad-core
Chipset		Intel® Q43 Express Chipset
Memory²		Dual-channel DDR3 1066MHz SDRAM; up to 16GB ³ dual-channel DDR3 1066MHz SDRAM; DIMMs up to 4GB ³ at 1066MHz
Wide Aspect Display		Choice of Dell Ultrasharp™ 17" WUXGA RGBLED Edge to Edge (1920x1200), Dell Ultrasharp 17" WUXGA RGBLED (1920x1200), Dell Ultrasharp 17" WUXGA AntiGlare (1920x1200), Dell Ultrasharp 17" WXGA+ AntiGlare (1440x990)
Graphics²		NVIDIA® Quadro™ FX 2700M 512MB dedicated memory, or NVIDIA® Quadro™ FX 3700M 1GB dedicated memory ²
Networking		Broadcom® NetXtreme™ 57xx Gigabit Controller
Wireless		A choice of one of the following: Dell Wireless 1397 802.11g Mini-Card, Dell Wireless 1510 802.11a/g/Draft n/ Mini-Card, Intel Wireless 5100 802.11a/g/Draft n Mini-Card, or Intel Wireless 5300 802.11a/g/Draft n Mini-Card
Bluetooth		Dell Wireless 370 Bluetooth® Mini-Card or (US Only) a Dell Wireless 410 BT +UWB Mini-Card
Mobile Broadband⁷		Dell Wireless 5530 (HSDPA) Mini-Card, Dell Wireless 5720 (EVDO) Rev A Verizon US, Dell Wireless 5720 (EVDO) Rev A Sprint US, Dell Wireless 5720 (EVDO) Rev A Telus Canada. Availability varies by region.
Slots and Ports		54mm Express Card slot, PC Card Slot, E-Family docking connector, DisplayPort, VGA, 4 USB 2.0 including e-SATA, IEEE 1394 6-pin powered, headphone/speaker out, 8-in-1 memory card reader, and RJ-45
Battery		9-cell/85Whr Smart Lithium Ion battery featuring ExpressCharge™
Operating Systems		Genuine Windows Vista® Ultimate 32-bit and 64-bit; Genuine Windows Vista Business - 32Bit and 64Bit; Genuine Windows Vista Ultimate Downgrade, XP Professional and XP Professional x64 Edition; Genuine Windows Vista Business Downgrade, XP Professional and XP Professional x64 Edition; Red Hat® Enterprise Linux® WS v.5.1 64-bit Factory installed, Novell® SUSE/SLED Linux (China), FreeDOS
Docking		Docking E/APR, E/SPR, E/Legacy Port, E/View Notebook Stand, E/Monitor Stand
Dimensions		393 x 285.5 x 34.5-38.5mm (15.4" x 11.2" x 1.35"-1.5")
Weight Starting At		8.54 lbs (3.88kg) ⁵ with a 9-cell battery, optional solid state drive, and NVIDIA® graphics
Warranty		3-year Limited Hardware Warranty ⁸ with On-Site Service after Remote Diagnosis ⁹
Peripherals		
Monitors		Performance flat-panel displays, Dell UltraSharp™ widescreen and standard flat-panel displays from 17" viewable to 30" viewable
Keyboard		Dell Enhanced QuietKey™ USB; Enhanced Multimedia USB; Smart Card keyboard USB
Mouse		Dell USB two-button mouse and Dell USB optical two-button scroll mouse
Optional Speakers		Internal chassis speaker; Dell two- and three-piece stereo system; Dell sound bar for all flat-panel displays
Storage Devices		
Optional Removable Storage		CD-RW/DVD Combo, DVD-ROM, DVD+/-RW slot load, USB Floppy Drive, USB media card reader
Hard Drives⁴		SATA Solid State HDD 2.5mm: Ultra Performance 32GB, 64GB & 128GB; SATA 7200RPM: up to 320GB; SATA 5400RPM: up to 500GB ; e-SATA connection enables Intel® Rapid Recover Technology when used in conjunction with an external SATA drive; Support for one or two HDDs with optional RAID 0 or RAID 1 configuration
Security		
		Integrated Smart Card reader, Contactless Smart Card reader (optional), Trusted Platform Module 1.2 (TPM 1.2 where available); Setup/BIOS Password; I/O Interface Security, optional swipe or FIPS fingerprint readers
Environmental and Regulatory		
Standards		BSMI, C-TICK, CE, FCC, IRAM, NEMKO, NFPA 99, SABBS, SASO, TUV, UL, VCCI, USB 2.0, WEEE
Lead Free		Environmentally conscious design is RoHS Compliant/Lead Free

SIMPLIFY YOUR WORKSTATION AT DELL.COM/Precision

- Available in September 2008
- Significant system memory may be used to support graphics, depending on system memory size and other factors.
- Up to 1GB may not be available with 32-bit operating systems due to system resource requirements.
- 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.
- Dell Precision M6400 Weight: Preliminary starting weight of 8.54lb/3.88kg with 17" WXGA+ panel, DVD/CDRW, 2.5" Ultra Performance SSD Drive, Discrete graphics, and 9-cell battery. Weights vary depending on configurations and manufacturing variability.
- Source: IDC Worldwide Quarterly Workstation Tracker, August 2008
- Subject to wireless provider's broadband subscription and coverage area; additional charges apply.
- For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or visit DELL.COM/Warranty
- Remote Diagnosis: Determination by online/phone technician of cause of issue; may involve customer access to inside of system and multiple or extended sessions. If issue is covered by Limited Hardware Warranty and not resolved remotely, technician and/or part will be dispatched, usually within 1 business day following completion of Remote Diagnosis. Availability varies. Other conditions apply.

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