

Dell Precision™ M2300 Mobile Workstation



Balancing Performance, Mobility, and Affordability.

Exceptional Engineering Design, Analysis and Content Creation

Design and create better than ever on Dell's lightest mobile workstation designed for everyday business use. Optimized for the road, the Dell Precision M2300 allows you to collaborate on site, design from remote locations or work anywhere in between with excellent performance in a thin and light form factor. The Dell Precision M2300 mobile workstation blends the power and features of a workstation with the versatility of a notebook to enable you to run complex applications reliably.

Workstation Technologies Deliver Great Performance

Expand your creative potential with 64-bit Intel® Core™2 Duo processors, based on the same revolutionary Intel® Core™ micro architecture available today in Dell Precision M4300 and M6300 workstations. Intel Core micro architecture is designed to provide wider pipelines, deeper memory buffers and faster instruction processing than previous Intel mobile micro architectures. These and other features help enable Intel Core 2 Duo processors to deliver excellent processor performance. The Dell Precision M2300 helps you power through complex tasks and complete projects faster than on a typical business notebook.

- Outstanding performance and realistic effects for all next-generation OpenGL® and Microsoft DirectX® 10 industry-leading professional applications:
- Native NVIDIA® OpenGL ICD drivers are optimized for 32- and 64-bit architectures to enable an excellent Windows and Linux experience
- 800MHz Front Side Bus
- Draft 802.11n: Provides up to 5x the speed and 2x the range of 802.11g networks when used with a 5GHz Wireless-N router (with Intel Wireless-N card, customer must use the Intel Wireless-N card with a 5GHz Wireless-N router; with a 2.4GHz Wireless-N router, speed will be less) .
- Intel® Turbo Memory: Non-volatile flash memory transparently works to cache frequently used code to help speed up boot time, application loading and can also increase battery life by reducing the need to spin up the hard drive to write data.

Work with Confidence

Dell Precision mobile workstations are built tough – with features like Mag-Alloy casings and a high degree of durability that you can rely on, day in and day out. In addition, the Dell Precision M2300 features a high degree of connectivity with your choice of integrated mobile broadband cards⁸, as well as Dell's Wi-Fi Catcher™ so you can get connected when you need to. Long battery life, optional dual batteries, and ironclad security help ensure you can work with peace of mind.

Dell partners with leading 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 flawless compatibility and optimized performance in demanding work environments such as computer aided design and engineering, digital content creation and urban planning, which helps make the Dell Precision M2300 a viable platform for use as a primary workstation.



Image courtesy of SolidWorks®

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



www.dell.com/workstations

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SYSTEM

Processors	64-bit Intel® Core™2 Duo processors (dual-core) Up to 4MB L2 Cache, 800MHz Front Side Bus Up to T7800 (2.60 GHz speed)
Operating Systems	Dell recommends Genuine Windows Vista® Ultimate; Genuine Windows Vista™ Business; Genuine Windows Vista® Business 64 bit and Genuine Windows Vista® Ultimate 64 bit. Genuine Windows® XP Professional SP2; Genuine Windows XP Professional X64
Chipset	Intel® 965PM Express chipset
Memory	Up to 4GB ² of DDR2 dual-channel ³ memory DIMMs up to 2GB at 667MHz
Wide Aspect Displays	14.1" wide aspect ratio displays (anti-glare) Dell UltraSharp™ WXGA+ (1440x900 resolution)
OpenGL Graphics	NVIDIA Quadro® FX 360M 128MB ⁴ dedicated
Hard Drives	Primary: Serial ATA up to 200GB ⁵ at 7200 RPM
Dimensions (HxWxD)	1.27" x 13.3" x 9.3"; 32 mm x 337 mm x 238 mm
Weight	Starting weight of 5.37 lbs or 2.43 kg ² with 14.1" with travel module, WXGA+ display and 6-cell battery

POWER

Power Supply	90 Watt AC adapter with cord wrapping Primary: 6-cell/ 56 WHr Smart Li-Ion battery High Capacity Primary: 9-cell/ 85 WHr Smart Li-Ion battery Secondary: 6-cell/48 WHr optional battery
Batteries	All batteries feature ExpressCharge™

CONNECTIVITY

Wired	56K ⁶ v.92 Internal Modem; 10/100/1000 Gigabit ⁷ Ethernet network interface adaptor
Wireless Broadband	Dell Wireless 5700 (CDMA EVDO) Mini-Card for Verizon ⁸ Dell Wireless 5700 (CDMA EVDO)
Wireless LAN	Via internal mini-card or Express Card Dell Wireless 1395 802.11g Mini-card Dell Wireless 1490 802.11a/g Dual band Mini-card Intel® Wireless 3945 802.11 a/g Dual band Mini-card Intel Wireless 4965 802.11A/G/N Mini-card Dell Wireless 1505 Draft 802.11N Mini-card
Bluetooth	Dell Wireless 360 Bluetooth®

EXPANDABILITY

ExpressCard	34mm USB ExpressCards supported via PC Card Adapter
PC Card	One Type I or Type II
I/O Ports	Serial, 1394, docking connector, 4 USB 2.0 powered USB (D/Bay), VGA, headphone/speaker out, infrared port, RJ-11, RJ-45, AC power
Docking	D/Port , D/Dock, D/View Notebook Stand, D/Monitor Stand
Modular Options	24X CD-ROM, 24X CD-RW/DVD, 8X DVD+-RW ⁹ , Floppy Disk Drive, Secondary battery, Secondary hard drive, or TravelLite module

SECURITY

Physical Security	Steel-reinforced Cable Lock Slot, Media Module and Hard Drive locks
User & System Security	Integrated Smart Card Reader, Trusted Platform Module 1.2 and optional UPEK® finger print reader. Dell Wave® Embassy® Trust security software.
Network Security	802.11 WiFi Protected Access (WPA), 802.11i (WPA2), Virtual Private Networks (VPN) and 802.1x with EAP modes, CCX V4.0

MANAGEABILITY

Dell OpenManage™	Helps reduce the total cost of ownership by enabling IT departments to manage and support networked systems. OpenManage enables software deployment and migration, hardware configuration and system health, asset management and remote support. For more information visit: www.dell.com/openmanage
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SERVICE & SUPPORT

Service & Support	3-year Limited Warranty ¹⁰ with Next Business Day On-Site Service ¹¹ . Service options vary by location.
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*Windows Vista has not been tested on all user configurations, and drivers may not be available for some hardware devices and software applications. Check www.support.dell.com for latest driver availability. Some OS features - like the Aero interface - are only available in premium editions of Windows Vista and may require advanced hardware. Check www.windowsvista.com for details.

1 Starting weight of 5.37 lbs (2.43 kg) for the M2300 includes 14.1" WXGA+ display, 6-cell battery and CD-ROM. Weights vary depending on configurations and manufacturing variability. 2 The total amount of available memory will be less than 4GB. The amount less depends on the actual system configuration. 3 Dual-channel memory requires 2 of the same capacity memory DIMMs. 4 NVIDIA Quadro FX 360M 256MB TurboCache: The total of local and shared system memory used by this graphics card is up to 256MB. Local on-board memory is 128MB. Up to 128MB of system memory may be allocated to support graphics, depending on system memory size and other factors. 5 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. 6 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. 7 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. 8 You must have a subscription with a wireless service provider to connect. Actual connectivity is subject to wireless service provider's coverage area and may be affected by equipment, topography, signal strength, environmental considerations, and other factors. Service may vary significantly within buildings. Dell does not guarantee coverage. 9 Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility. 10 Dell Limited Warranties: For a copy of our guarantees or limited warranties, please write Dell USA LP, Attn: "Warranties, One Dell Way, Round Rock, TX 78682. For more information, visit 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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