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 everday 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 cards[8], 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

DELL™

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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 4GB² of DDR2 dual-channel³ 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 128MB⁴ dedicated
Hard Drives	Primary: Serial ATA up to 200GB⁵ 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 kg² 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	56K⁶ v.92 Internal Modem; 10/100/1000 Gigabit⁷ Ethernet network interface adaptor
Wireless Broadband	Dell Wireless 5700 (CDMA EVDO) Mini-Card for Verizon⁸
	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+/-RW⁹, 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

SERVICE & SUPPORT

Service & Support	3-year Limited Warranty¹⁰ with Next Business Day On-Site Service¹¹. Service options vary by location.