Dell Precision M4500

What if your mobile workstation was designed for your most demanding applications?

What if your powerful workstation could be truly mobile, enabling you to conduct critical tasks wherever, whenever you wanted?

What if your mobile workstations were as manageable, secure and serviceable as your other commercial clients?

Maximized perfomance

Working "on the go" has never been so powerful and productive. The robust Dell Precision™ M4500 mobile workstation features up to Intel® Core™ i7 Quad Extreme Edition processors for number crunching performance and advanced 3D graphics featuring NVIDIA® Quadro® FX 880M or Quadro FX 1800M graphics engine with 1GB of dedicated graphics memory for demanding tasks such as, video editing, animation and CAD manipulation.

Innovative three-year long-life battery options are now available to maximize productivity over time, while 15.6" high resolution displays provides a comfortable working environment that fits your professional applications.

Application empowering

As one of the world's leading workstation vendors, Dell 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 Dell Precision M4500 an exceptional platform for extremely demanding workstation users who need to be mobile.

Mobile and scalable

The Dell Precision M4500 mobile workstation offers prodigious scalability for a 15.6" laptop with a starting weight of only 6 lbs (2.73 kg). Backed with a variety of innovative technologies to confidently take on and keep up with the growing demands of the business world. The Dell Precision M4500 is the first 15.6" mobile workstation to offer an optional SSD MiniCard for additional high-performance data storage. That can be combined with high speed, highly reliable Solid State Drives designed without moving parts to help improve data reliability or up to 500GB standard hard drives to support large files storage. In order to help protect data, comprehensive security and data protection features such as a pre-boot, multi-factor user authentication and hardware processed drive encryption are available on the system.

Mobility and traveling is made easy with a large set of wireless communication options such as Wi-Fi, Bluetooth®, WiMax™ or Mobile Broadband. The Dell Precision M4500 also features near instant access to email, calendar, contacts and the web with Dell Precision ON, that also enables access to virtual remote desktops.

Total control of ownership

Compatible, manageable and secure

Dell Precision mobile workstations are part of the Dell E-Family product line. They are compatible with E-Family accessories, including port replicators, notebook stands, display and monitor stands and external storage modules.

Equipped with Intel vPro® technology and delivered with Dell ControlPoint™ to help manage your mobile workstation and lower your TCO, the new Dell Precision M4500 embeds Dell ControlVault security, FIPS fingerprint reader and contactless smart card reader. A very comprehensive offering which helps strengthen and simplifies security.

Dell Services, such as Dell ImageDirect, CFI, Dell ProSupport or lifecycle services, are also available on Dell Precision mobile workstations, making these systems easy to manage, support and deploy.

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Dell Precision M4500 is the world's most powerful 15.6" mobile workstation, the only 15.6" mobile workstation with Intel Core i7 Extreme edition processor and NVIDIA Quadro FX 1800M graphics solution

Feature	Dell Precision M4500 Technical Specifications
Processors	Intel® Core™ i7 Quad-Core & Extreme Edition Intel Core i5 & i7 Dual-Core Processors
Operating System	Genuine Windows Vista® Business 32-bit Genuine Windows Vista Business 64-bit Genuine Windows® 7 Ultimate 32-bit Genuine Windows 7 Ultimate 64-bit Genuine Windows 7 Professional 32-bit Genuine Windows 7 Professional 64-bit Genuine Windows® XP Professional available via downgrade rights Genuine Windows XP Professional x64 Edition available via downgrade rights Red Hat® Linux 64-bit
Displays	15.6" HD UltraSharp LED Display (1366x768) Resolution 15.6" HD+ UltraSharp LED Display (1600x900) Resolution 15.6" FHD LED Back-Lit Display (1920x1080) Resolution
Memory	Dual-Channel DDR3 Memory Available DIMM Slots: Two Memory slots offering up to 8GB[1] Memory Bandwidth: 1066MHz & 1333MHz
Primary Storage[2]	Support for one or two storage devices with 64GB[2] SSD Mini-Card 7200RPM Hard Drive up to 500GB[2] 7200RPM Encrypted FIPS Hard Drive 250GB[2] Solid State Drive up to 256GB[2] Solid State Drive Mini-Card 64GB[2]
Optical Drives	DVD-ROM, DVD+/-RW, Blu-ray
Graphics Cards	NVIDIA® Quadro® FX 880M Graphics with 1GB dedicated memory NVIDIA Quadro FX 1800M Graphics with 1GB dedicated memory
Connectivity	**WLAN:** Bluetooth® 2.1 Next-Generation Mobile Broadband, with GPS **Wireless:** Dell Wireless 1501 802.11g 1x1 Mini-Card Dell Wireless 1520 802.11 a/g/n 2x2 Mini-Card Intel Wireless 6200 802.11a/g/n 2x2 Mini-Card Intel Wireless 6300 802.11a/g/n 3x3 Mini-Card Intel WiMAX/WiFi 6250 16e and 2x2 802.11n **WWAN:** Dell Wireless 5620 GOBI 2 (EVDO+HSPA) Mobile Broadband Mini-Card
Security	**Physical Security:** Steel-reinforced Cable Lock Slots, Media Module and Hard Drive Locks **User & System Security:** Smart Card Reader and optional Contactless Smart Card Reader Fingerprint Reader (optional) FIPS Fingerprint Reader (optional) TPM 1.2 (where available) Wave Embassy Trust Suite **Network Security:** 802.11 WiFi® Protected Access (WPA), 802.11i (WPA2), Virtual Private Networks (VPN) 802.1x with EAP modes and compatible with CCX 4.0
Multimedia	Two speakers, optional dual-array microphones Optional 3MP camera
Expandability	**Slots:** 8-in-1 card reader; ExpressCard 34; PC card **Docking:** Advanced E-Port, E-Port, Legacy Port Replicator, Ergo Flat Panel Stand, Basic Monitor Stand, E-View Notebook Stand **Modular Options:** E-Family modular media dock: DVD-ROM, DVD+/-RW
Chassis	**Mag Chassis:** Dell Precision industrial design **Weight[3] & Dimensions:** Weight starting at: 6.0lbs/2.73kg with HD panel, DVD-ROM, 6-cell battery Width: 14.72"/374mm Depth: 9.96"/253mm Height: 1.15"/29.1mm(F), 1.42"/36.1mm(B) **Ports:** 1394 4-pin, USB 2.0 (x4), VGA, Display Port, RJ-45, Audio, eSATA
Power	**Power Supply:** 130 Watt AC adapter 6- or 9-cell extended life primary batteries

Discover the Dell Precision M4500 mobile workstation, visit dell.com/Precision