Dell Precision Workstations

Precision is the key element that separates greatness from everything else. Dell Precision is your key tool whether your job requires you to design digital content, work with CAD models, analyze manufacturing processes or any other performance intensive application. Our workstation-class products offer superb performance, innovative smart design and ISV certified dependability to maximize your productivity and reliability.

Meet the Dell Precision M4700

The M4700 is the world’s most powerful 15” mobile workstation, with the performance, battery life and storage for demanding work environments.

Superb Performance

Sacrifice nothing. The Dell Precision M4700 combines laptop mobility and workstation-class performance into a dependable, highly agile system that brings your projects to life with:

• 3rd Generation Intel® Core™ i5 and i7 processor options up to Extreme Edition
• AMD FirePro and NVIDIA Quadro graphics options enable you to run high-end graphics for all of your professional needs, from rendering to modeling complex simulations.
• Expansive DDR3 memory with four DIMM slots for up to 32GB of 1600MHz memory or up to 16GB of 1866MHz memory for blistering performance
• Big jobs require big storage, and the Dell Precision M4700 offers hard drive space to spare, with large drive options, Mini Card and RAID options, plus the flexibility to add even more storage with an optional optical bay module.
• Keep it cool and make it last. Quiet-running dual fans can help increase component longevity and extend battery life.

Innovative Smart Design

Work smarter with state-of-the-art design and intuitive purpose driven features. No matter where your work takes you the Dell Precision M4700 provides superb mobility and functionality:

• Stay productive in low-light environments with the optional backlit keyboard
• Astonishing 15.6” display options provide accurate color reproduction and brilliant images. The Dell UltraSharp™ display option provides a wider viewing angle and the Dell Premium Panel Guarantee ensures zero bright or dead pixels during the Limited Warranty period.

Certified Dependability

Designed for professionals who demand strength and reliability, the M4700 is built for a long life of dependable service with:

• Up to 24 hours of battery life, the longest of any 15” mobile workstation, when equipped with optional 9-cell battery, optional slice battery and NVIDIA® Optimus™ enabled
• NVIDIA® Optimus™ technology which intelligently provides graphics performance when you need it and can help extend battery life when you don’t
• ISV (Independent Software Vendor) certification to help ensure reliability for demanding applications
• Designed durable with a light yet strong magnesium alloy structure clad in sleek, rigid, anodized aluminum and MIL-STD-810G tested for extreme temperatures, humidity, vibration, dust, altitude and shock
• When security is key Dell has you covered with FIPS certified fingerprint readers, FIPS certified self encrypting drives and Dell Data Protection | Encryption
• Quickly remove your hard drive and swap it with another or store it for security reasons with the tool free easy eject primary drive bay

Beyond-Your-Expectations Service

Rest assured that your Dell Precision mobile workstation will be well protected should an issue arise. Dell can get you up and running quickly and help you stay productive with responsive service and technicians.

• Optional Dell Configuration Services incorporates hardware, images, applications, peripherals and documents with your system as it’s built to help simplify and speed up deployment, while improving consistency and compatibility.
• Dell’s premium support service, ProSupport®, features 24/7 direct telephone access to advanced-level technicians based in your region to end downtime and resolve problems quickly.
• ProSupport’s Collaborative Support feature provides assistance even if you have a problem with non-Dell hardware or software. We will leverage our relationships with over 75 top third-party vendors to act as your single point of contact to help resolve your issue.

Dell recommends Windows®
Dell Precision M4700 Technical Specifications

Processors
3rd generation Intel® Core™ i5 and i7 processors, up to Core i7 Extreme Edition, with Intel vPro™ advanced management; smart security and manageability on every chip.

Operating Systems
- Windows® 8 Pro (64-Bit)
- Genuine Windows® 7 Ultimate (32-Bit or 64-Bit); Genuine Windows® 7 Professional (32-Bit or 64-Bit)
- Red Hat® Enterprise Linux® version 6 (select regions)

Chipset
Mobile Intel® QM77 Express

Memory
- 4 DIMM slots: up to 32GB 1600MHz; Or up to 16GB 1866MHz memory

Graphics Options
- AMD FirePro M4000 Mobility Pro with 1GB GDDR5 dedicated memory
- NVIDIA Quadro K1000M with 2GB GDDR3 dedicated memory
- NVIDIA Quadro K2000M with 2GB GDDR3 dedicated memory

Display
- 15.6” HD (1366x768): anti-glare, LED-backlit
- 15.6” FHD (1920x1080): Dell UltraSharp™, wide view, anti-glare, LED-backlit, Premium Panel Guarantee

Storage Options
- Support for three storage devices: one 2.5” drive in easy eject drive bay; one 2.5” drive in optical bay caddy
- SSD (Solid state drive) from 128GB to 512GB SATA 6Gbps
- 128GB or 256GB Solid State Mini-Card secondary storage device

Communication Options
Wireless LAN:
- Intel Centrino® 2 11n (802.11n) 3 Band (Bluetooth + NFC + 11n); 120000 Mbps data rate
- New 2x2 antenna configuration

Bluetooth:
- Optional, integrated, light sensitive HD video webcam with Dell Webcam Central software

Media reader supports:
- SD, SD-XC, plus legacy - SD, SDIO, MMC, XD, MS, MS Pro, Mini-MMC, MMC+

Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions

Environmental standards (eco-labels) include:
- BFR/PVC free
- ENERGY STAR® 5.2 qualified, EPEAT® Registered
- China - RoHS, CE, CEC, EU - RoHS, WEEE, Germany - GS Mark, South Korea - RoHS, Eco-label; Japan - RoHS, Energy Law, Green PC
- Other environmental options: Dell Energy Smart settings (select configurations), Dell Asset Recovery Service

Security Options
- Lock slot; Trusted Platform Module 1.2 (TPM 1.2); Setup/BIOS Password; I/O Interface Security; Intel Anti-Theft Protection (iATP)

Dell UltraSharp(TM) monitors are backed with the Premium Panel Guarantee which will provide you with a replacement monitor should even one bright defective pixel be found on the screen during the Limited Hardware Warranty period.

Weights vary depending on configuration and manufacturing variability.

Excludes external power brick and power cord. Dell follows the iNEMI definition of BFR/PVC free. For more information on Dell’s policy and progress, please see our www.dell.com/servicedescriptions

Learn more at Dell.com/Precision

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1. A 64-bit operating system is required to support 4GB or more of system memory.
2. 2.0 means 2 trillion bytes and 2.5 trillion bytes; significant system memory may be required to support graphics, depending on system memory size and other factors.
3. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicedescriptions
4. Dell UltraSharp™ monitors are backed with the Premium Panel Guarantee which will provide you with a replacement monitor should even one bright defective pixel be found on the screen during the Limited Hardware Warranty period.
5. Dell follows the iNEMI definition of BFR/PVC free. For more information on Dell’s policy and progress, please see our www.dell.com/servicedescriptions
6. Excludes external power brick and power cord. Dell follows the INEMI definition of BFR/PVC free. For more information on Dell’s policy and progress, please see our www.dell.com/environmental site.
7. EPEAT registration can vary by country. Please see www.epeat.net for the latest registration level and country participation.
8. For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see www.dell.com/warranty
9. Remote Diagnosis is determined by online/phone technician of cause of issue: may involve customer access to inside of multiple or extended sessions. If issue is covered by Limited Hardware Warranty (www.dell.com/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.
10. Based on testing using the Mobile Mark 2007 Productivity battery life benchmark test. For more information about this benchmark test, visit www.bapco.com. Test results should be used only to compare one product with another and are not a guarantee you will experience the same battery life. Battery life may be significantly less than the test results and varies depending on your product’s configuration, software, usage, operating conditions, power management settings and other factors. Maximum battery life will decrease with time and use.
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