



# Dell Precision M4700

## 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<sup>1,2</sup> of 1600MHz memory or up to 16GB<sup>1,2</sup> 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<sup>12</sup> period.

- 100% BFR/PVC free<sup>10</sup>, ENERGY STAR 5.2 qualified and EPEAT registered<sup>11</sup> to offer you our most environmentally responsible mobile workstation product yet

## 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<sup>14</sup>
- 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<sup>3</sup>, 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 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	<ul style="list-style-type: none"> <li>Windows® 8 Pro (64-Bit)</li> <li>Genuine Windows® 7 Ultimate (32-Bit or 64-Bit); Genuine Windows® 7 Professional (32-Bit or 64-Bit)</li> <li>Red Hat® Enterprise Linux® version 6 (select regions)</li> </ul>																											
Chipset	Mobile Intel® QM77 Express																											
Memory <sup>1,2</sup>	4 DIMM slots: up to 32GB 1600MHz; Or up to 16GB 1866MHz memory																											
Graphics Options <sup>2</sup>	<ul style="list-style-type: none"> <li>AMD FirePro M4000 Mobility Pro with 1GB GDDR5 dedicated memory</li> <li>NVIDIA Quadro K1000M with 2GB GDDR3 dedicated memory</li> <li>NVIDIA Quadro K2000M with 2GB GDDR3 dedicated memory</li> </ul>																											
Display Options	<ul style="list-style-type: none"> <li>15.6" HD(1366x768): anti-glare, LED-backlit</li> <li>15.6" FHD(1920x1080): Dell UltraSharp™, wide view, anti-glare, LED-backlit, Premium Panel Guarantee<sup>4</sup></li> </ul>																											
Storage Options <sup>5</sup>	Support for three storage devices: one 2.5" drive in easy eject drive bay; one 2.5" drive in optical bay caddy <sup>6</sup> ; one solid state Mini-Card Dell Fast Response Free Fall Sensor standard <ul style="list-style-type: none"> <li>7200rpm SATA 3Gb/s hard drive from 320GB up to 750GB; 7200rpm 320GB FIPS Certified Self Encrypting Drive</li> <li>SSD (Solid state drive) from 128GB to 512GB SATA 6Gb/s</li> <li>128GB or 256GB Solid State Mini-Card secondary storage device</li> <li>Optional RAID 0 or 1 (requires minimum of two storage devices); Optional RAID 5 (requires three storage devices)</li> </ul>																											
Communication Options	<b>Wired:</b> Integrated Intel 82579M/V 10/100/1000 Gigabit Ethernet <b>Wireless LAN:</b> <ul style="list-style-type: none"> <li>Intel Centrino® Ultimate-N 6300 (802.11n 3x3 half Mini-Card)</li> <li>Intel Centrino® Advanced-N 6205 (802.11n 2x2 half Mini-Card)</li> <li>Dell Wireless 1540 (802.11 a/n dual band, high speed Wi-Fi half Mini-Card)</li> <li>Dell Wireless 1504 (802.11 g/n single band Wi-Fi half Mini-Card)</li> </ul> <b>Mobile Broadband &amp; GPS:</b> <ul style="list-style-type: none"> <li>Dell Wireless™ DW5630 Multi-mode HSPA-EVDO Mini-Card (Gobi™ 3G) with A-GPS</li> <li>Dell Wireless™ DW5560 Single-mode HSPA+ Mini-Card with A-GPS</li> </ul> <b>Bluetooth:</b> Dell Wireless 380 Bluetooth® 4.0																											
Multimedia	<ul style="list-style-type: none"> <li>Dual integrated high quality speakers and dual integrated noise cancelling digital array microphones standard</li> <li>Optional, integrated, light sensitive HD video webcam with Dell Webcam Central software</li> </ul>																											
Optical Drive	DVD-ROM; Slot load DVD+/-RW; Blu-ray Disc™ writer; Optical bay caddy for additional hard drive or solid state drive																											
Standard I/O Ports	<table border="1"> <thead> <tr> <th>Left</th> <th>Rear</th> <th>Right</th> </tr> </thead> <tbody> <tr> <td>1 - Lock Slot</td> <td>1 - VGA</td> <td>2 - USB 3.0</td> </tr> <tr> <td>2 - USB 2.0</td> <td>1 - RJ-45</td> <td>1 - DisplayPort</td> </tr> <tr> <td>1 - IEEE 1394</td> <td>1 - eSATA / USB 2.0</td> <td>1 - Wireless switch</td> </tr> <tr> <td>1 - Microphone</td> <td>1 - HDMI</td> <td></td> </tr> <tr> <td>1 - Headphone</td> <td></td> <td></td> </tr> <tr> <td>1 - 10-in-1 media card reader<sup>7</sup></td> <td></td> <td></td> </tr> <tr> <td>1 - SmartCard reader (optional)</td> <td></td> <td></td> </tr> <tr> <td>1 - 54mm ExpressCard slot</td> <td></td> <td></td> </tr> </tbody> </table>	Left	Rear	Right	1 - Lock Slot	1 - VGA	2 - USB 3.0	2 - USB 2.0	1 - RJ-45	1 - DisplayPort	1 - IEEE 1394	1 - eSATA / USB 2.0	1 - Wireless switch	1 - Microphone	1 - HDMI		1 - Headphone			1 - 10-in-1 media card reader <sup>7</sup>			1 - SmartCard reader (optional)			1 - 54mm ExpressCard slot		
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Chassis	<b>Materials:</b> aluminum and magnesium alloy <b>Dimensions (HxWxD):</b> 1.29"-1.37" x 14.80" x 10.08"; 32.7mm-34.9mm x 376mm x 256mm <b>Weight<sup>8</sup>:</b> starts at 6.13lbs; 2.78kg (with 6-cell battery, airbay and optional mSATA) <b>Power:</b> 180W AC adapter <b>Slots:</b> 1 full and 2 half Mini-Card slots																											
Battery Options	6-cell (65Wh) with ExpressCharge™; 9-cell (97Wh) with ExpressCharge™; 9-cell (87Wh) 3 Year Limited Hardware Warranty <sup>12</sup> ; 9-cell (97Wh) Extended battery slice																											
Input	<ul style="list-style-type: none"> <li>Full size keyboard with number pad protected by an anti-microbial coating standard; backlit optional</li> <li>Multi-touch touchpad with three buttons; track stick with three buttons</li> </ul>																											
Docking Options	<b>Port Replicators:</b> E-Port Plus port replicator; Simple E-Port port replicator; E-Legacy Extender legacy port replicator <b>Stands:</b> E-View Laptop Stand; E-Series Basic Monitor Stand; E-Series Flat Panel Monitor Stand																											
Security Options <sup>9</sup>	Lock slot; Trusted Platform Module 1.2 (TPM 1.2); Setup/BIOS Password; I/O Interface Security; Intel Anti-Theft Protection (iATP); Contactless SmartCard reader; standard or FIPS certified fingerprint reader; Dell ControlVault; FIPS certified self encrypting drive; Dell Data Protection   Encryption solution																											
Environmental and Regulatory	<b>Environmental standards (eco-labels) include:</b> BFR/PVC free <sup>10</sup> ; ENERGY STAR® 5.2 qualified, EPEAT® Registered <sup>11</sup> ; China - RoHS, CECP, CEC; EU - RoHS, WEEE; Germany - GS Mark; South Korea - RoHS, Eco-label; Japan - RoHS, Energy Law, Green PC <b>Other environmental options:</b> Dell Energy Smart settings (select configurations); Dell Asset Recovery Service																											
Warranty and Support Services	Limited Hardware Warranty <sup>12</sup> ; Standard 3-year Next Business Day On Site Service after Remote Diagnosis <sup>13</sup> . Optional 3 year Dell ProSupport <sup>3</sup> offers premium support from expert technicians and 24x7 global availability.																											

## Learn more at [Dell.com/Precision](http://Dell.com/Precision)

- A 64-bit operating system is required to support 4GB or more of system memory.
- GB means 1 billion bytes and TB equals 1 trillion bytes; significant system memory may be used to support graphics, depending on system memory size and other factors
- Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicesdescriptions](http://www.dell.com/servicesdescriptions)
- 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<sup>12</sup> period.
- GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.
- Requires removal of optical drive.
- Media reader supports: SD, SD-XC, plus legacy - SD, SDIO, MMC, XD, MS, MS Pro, Mini-MMC, MMC+
- Weights vary depending on configuration and manufacturing variability.
- Available in select regions.
- 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/environment](http://www.dell.com/environment) site.
- EPEAT registration can vary by country. Please see [www.epeat.net](http://www.epeat.net) for the latest registration level and country participation.
- For copy of Ltd Hardware Warranty, write Dell USA LP, Attn: Warranties, One Dell Way, Round Rock, TX 78682 or see [www.dell.com/warran](http://www.dell.com/warran)
- Remote Diagnosis is 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 ([www.dell.com/warranty](http://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.
- Based on testing using the Mobile Mark 2007 Productivity battery life benchmark test. For more information about this benchmark test, visit [www.bapco.com](http://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. Dell is a trademark of Dell Inc. ©2012 Dell Inc. All rights reserved.

