



# Dell Precision M4600

## 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 voracious productivity, ISV certification, rock solid dependability, and harmonious manageability to maximize your productivity and reliability.

## Meet the Dell Precision M4600

Designed from the ground up to be a breakthrough mobile workstation, the Dell Precision M4600 combines incredible performance with a durable yet lightweight 15.6" size for go anywhere productivity.

## Superb Mobility

No matter where your work takes you the enhanced usability and robust feature set of the Dell Precision M4600 provide superb mobility and functionality with:

- Stay productive in low-light environments with the optional backlit keyboard.
- Keep in touch while on the move with a broad range of wireless<sup>1</sup> options, including wireless LAN, mobile broadband, WiMax and Bluetooth.
- Intuitively interact with your work in a whole new way with the optional touch display that supports stylus and simultaneous four-finger touch
- Help protect your most valuable asset, your intellectual property, with optional Dell DataSafe Online Backup, Dell Laptop Encryption, fingerprint reader and Dell System Track and Recovery service.

## Steadfast Dependability

Designed for professionals who demand strength and reliability, the M4600 is built for a long life of dependable service with:

- ISV certification to help ensure reliability for demanding applications
- Durable design with a rigid aluminum and magnesium alloy chassis and MIL-STD-810G tested for extreme temperatures, humidity, vibration, dust, altitude and shock
- Robust manageability options, including Intel vPro, to help keep operations running smoothly and IT costs down
- Quick removal bottom door for easy access to components

## Productivity Amplified

Sacrifice nothing. The Dell Precision M4600 combines laptop mobility and workstation-class performance into a dependable, highly agile system that brings your projects to life with:

- Powerful second-generation Intel® Core™ processors with options up to Intel Core i7 Extreme Edition
- Impressive AMD or NVIDIA® discrete graphics with up to 2GB<sup>2</sup> of dedicated memory
- Expansive DDR3 memory with four DIMM slots for up to 32GB<sup>3</sup> of 1333MHz memory or up to 16GB<sup>3</sup> of 1600MHz memory for blistering performance
- Optional NVIDIA® Optimus™ technology intelligently provides graphics performance when you need it and can help extend battery life when you don't.
- Optional AMD Eyefinity technology supports up to five simultaneous displays when docked and three displays when undocked.
- Astonishing 15.6" display options provide accurate color reproduction and brilliant images. The optional UltraSharp™ display with PremierColor technology offers enhanced 100% Adobe RGB color gamut for the utmost in color precision.

## Beyond-Your-Expectations Service

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

- Optional Custom Factory Integration (CFI) 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>4</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 M4600 Technical Specifications																												
Processors	2nd 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>• Genuine Windows® 7 Ultimate (32-Bit or 64-Bit)</li> <li>• Genuine Windows® 7 Professional (32-Bit or 64-Bit)</li> <li>• Genuine Windows Vista® Ultimate (32-Bit or 64-bit)</li> <li>• Genuine Windows Vista® Business (32-Bit or 64-bit)</li> <li>• Red Hat® Enterprise Linux® version 6 (select regions)</li> <li>• Ubuntu Linux (select regions)</li> </ul>																											
Chipset	Mobile Intel® QM67 Express																											
Memory <sup>3</sup>	4 DIMM slots: up to 32GB 1333MHz; Or up to 16GB 1600MHz memory																											
Graphics <sup>2</sup>	<ul style="list-style-type: none"> <li>• AMD FirePro M5950 Mobility Pro with 1GB GDDR5 dedicated memory</li> <li>• NVIDIA Quadro 1000M with 2GB GDDR3 dedicated memory</li> <li>• NVIDIA Quadro 2000M 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" HD(1366x768): multi-touch (supports stylus / four finger simultaneous touch), LED-backlit</li> <li>• 15.6" FHD(1920x1080): UltraSharp™, wide view, anti-glare, LED-backlit, Premium Panel Guarantee<sup>5</sup></li> <li>• 15.6" FHD(1920x1080): UltraSharp™ with PremierColor technology, IPS, wide view, anti-glare, LED-backlit, Premium Panel Guarantee<sup>5</sup></li> </ul>																											
Storage Options <sup>6</sup>	Dell Fast Response Free Fall Sensor standard; Support for one 2.5" SATA drive: <ul style="list-style-type: none"> <li>• 7200rpm hard drive from 250GB up to 750GB; 7200rpm 320GB FIPS Certified Self Encrypting Drive</li> <li>• Solid state drive (SSD) from 128GB to 256GB; 512GB coming soon</li> </ul> Optional 128GB Solid State Mini-Card secondary storage device Optional RAID 0 or RAID 1 (when configured with 2.5" drive and solid state Mini-Card)																											
Communication Options	<b>Wired:</b> Integrated 10/100/1000 Gigabit Ethernet <b>Wireless LAN and WiMax:</b> <ul style="list-style-type: none"> <li>• Intel Centrino® Advanced -N + WiMAX 6250</li> <li>• Intel Centrino® Ultimate-N 6300 3x3</li> <li>• Dell Wireless 1501 (802.11 b/g/n 1x1)</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™ 3000) with A-GPS</li> <li>• Dell Wireless™ DW5550 Single-mode HSPA Mini Card with A-GPS</li> </ul> <b>Bluetooth:</b> Dell Wireless 375 Bluetooth® 3.0																											
Multimedia	<ul style="list-style-type: none"> <li>• Dual integrated high quality speakers and dual integrated noise cancelling digital array microphones</li> <li>• Optional, integrated, light sensitive FHD video webcam with Dell Webcam Central software</li> </ul>																											
Optical Storage Options	DVD-ROM; Slot load DVD+/-RW; Blu-ray Disc™ writer																											
Standard I/O Ports	<table border="0"> <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</td> <td></td> <td></td> </tr> <tr> <td>1 - SmartCard reader</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			1 - SmartCard reader			1 - 54mm ExpressCard slot		
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Chassis	<b>Materials:</b> aluminum and magnesium alloy <b>Dimensions (HxWxD):</b> 1.29"-1.44" x 14.80" x 10.08"; 32.7mm-36.8mm x 376mm x 256mm <b>Weight<sup>7</sup>:</b> starts at 6.15lbs; 2.79kg <b>Power:</b> 180W AC adapter <b>Slots:</b> 1 full and 2 half Mini-Card slots																											
Battery Options	6-cell (60Wh) with ExpressCharge™; 9-cell (97Wh); 9-cell (87Wh) 3 Year Limited Hardware <sup>8</sup> Warranty battery																											
Input	<ul style="list-style-type: none"> <li>• Anti-microbial keyboard with number pad: standard or optional backlit</li> <li>• Multi-touch touchpad with three buttons; track stick with three buttons</li> <li>• Four finger multi-touch and stylus display option</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	Lock slot; Trusted Platform Module 1.2 (TPM 1.2); Setup/BIOS Password; I/O Interface Security; Intel Anti-Theft Protection option (iATP); Optional Contactless SmartCard reader; standard or FIPS certified fingerprint reader; Dell ControlVault; FIPS certified hardware-based full disk encryption																											
Environmental and Regulatory	<b>Environmental standards (eco-labels) include:</b> ENERGY STAR® 5.0, EPEAT Gold; 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																											

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

<sup>1</sup> Subject to wireless provider's broadband subscription and coverage area; additional charges apply.

<sup>2</sup> 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

<sup>3</sup> A 64-bit operating system is required to support 4GB or more of system memory.

<sup>4</sup> Availability and terms of Dell Services vary by region. For more information, visit [www.dell.com/servicesdescriptions](http://www.dell.com/servicesdescriptions)

<sup>5</sup> 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>8</sup> period.

<sup>6</sup> GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.

<sup>7</sup> Weights vary depending on configuration and manufacturing variability.

<sup>8</sup> 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](http://www.dell.com/warranty)

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