

## Dell Precision M70 Mobile Workstation



The Dell Precision™ M70 Workstation helps maximize productivity through exceptional workstation performance and notebook mobility.

### For Engineers, Designers, Architects, Digital Artists and Publishers Who Want to Go Mobile

The outstanding compute performance of Intel® Pentium® M processors with 2MB L2 cache helps run integer and floating point computation intensive applications exceptionally fast. The 533MHz front side bus and the DDR2 533MHz dual channel memory enable fast data transfer between the CPU and memory, and help ensure that the power of the processor is used optimally. The high bandwidth of the dual channel memory interface minimizes bottlenecks while running memory intensive applications, and helps ensure that engineers, analysts and digital content creators can go from desktop workstations to mobile workstations without missing a beat, or a deadline.

### Create & Manipulate Realistic 3D Models, Complex Assemblies and Dazzling Special Effects

Design, analyze and create through outstanding compute and graphics performance. The exceptional graphics performance of the NVIDIA® Quadro™ FX Go1400 OpenGL graphics engine enables CAD designers to create large, high quality models fast, and easily create and manipulate complex assemblies. Digital content creators and animators can benefit from the support of advanced features such as Vertex and Pixel Shader 3.0, Rotated Grid Full Scene Antialiasing, and 12-bit subpixel precision, to create sophisticated special effects and graphics. The 256MB graphics memory enables the fast application and manipulation of rich textures to make graphics seem more lifelike and impressive.

### Clearly Visualize Large Assemblies, High Speed Video and Large Tool Palettes

A range of 15.4" displays with up to WUXGA (1920 X 1200) resolution, provide maximum real estate and display designs crisply and with minimal scrolling. UltraSharp™ panels with wide horizontal and vertical viewing angles display video content well, easily accommodate application interfaces with tool palettes, and permit the display of multiple text/web pages conveniently.

### Enjoy Exceptional, Secure Mobility and the Freedom of Wireless Connectivity

Liberate engineers, architects, artists and power users to go places with exceptional, secure mobility. Dell and Intel wireless miniPCI 802.11 solutions provide excellent connectivity and also support widely used wireless standards including CCX and LEAP. The M70 offers ultra long battery life through high capacity batteries for extended work away from the office. Excellent power management and easy to use utilities enable users to choose the settings that best meet their needs of performance, battery life, or the optimal combination of the two. A range of security solutions helps ensure the system and data are protected and secure.

### Design and Create with Confidence

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 M70 a viable platform for use as a primary workstation.

### Expert Assistance Just a Phone Call Away, Should You Need It

Workstation telephone support can deliver for speedy resolution of problems, should they ever occur. Dell Precision offers easy and efficient escalation to workstation application certification resources, should the issue require interfacing with an application vendor. The Dell Precision M70 is designed to exceed your expectations and is backed by 3 years Next Business Day On-site<sup>7</sup> service and International programs across many countries.



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GET MORE PERFORMANCE AND MOBILITY. GET MORE OUT OF NOW.





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## FEATURES Dell Precision™ M70

### SYSTEM

<b>Processors</b>	Intel® Pentium® M processors up to 2.26GHz, 2MB L2 cache, 533MHz FSB
<b>Operating systems</b>	Dell recommends Microsoft® Windows® XP Professional for Business
<b>Chipset</b>	Intel 915PM Chipset
<b>Memory</b>	Up to 2GB DDR2 533MHz memory
<b>Displays</b>	15.4" UltraSharp™ WUXGA (1920 x 1200), UltraSharp WSXGA+ (1680 x 1050), WXGA (1280 x 800)
<b>Graphics</b>	NVIDIA® Quadro™ FX Go1400 256MB memory with OpenGL hardware acceleration
<b>Hard drives</b>	Up to 100GB <sup>1</sup> 7200 RPM or 80GB <sup>1</sup> 5400 RPM; Optional 2nd drive for media bay available
<b>Keyboard</b>	87-Key US; 88-Key Europe; 91-Key Japan
<b>Pointing Devices</b>	Touch Pad - PS/2 Compatible; Track Stick - PS/2 Compatible
<b>Audio</b>	AC97 (Soft Audio); Integrated Stereo Speakers
<b>Dimensions</b>	(WxHxD) 14.2" x 1.67" x 10.3"; 361.2mm x 42.4mm x 260.4mm
<b>Weight</b>	Starting at 3.035kg/6.69lbs <sup>2</sup>

### POWER

<b>Power Supply</b>	90 Watt AC adapter with cord wrapping
<b>Batteries</b>	Smart Lithium-Ion (9-cell/80 WHr) with external LED battery gauge and ExpressCharge™ capability; Optional Smart Lithium-Ion Battery (6-cell) media bay battery

### CONNECTIVITY

<b>Wired</b>	56K <sup>3</sup> internal modem; 10/100/1000 <sup>4</sup> Ethernet, DMI 2.0 and Wired for Management compliant
<b>Wireless - WLAN</b>	Intel PRO/Wireless 2200 802.11b/g, 54Mbps <sup>5</sup> ; Dell Wireless 1370 802.11b/g; Dell Wireless 1470 802.11a/b/g
<b>Wireless - WPAN</b>	Dell Wireless <sup>®</sup> 350 Bluetooth internal card

### EXPANDABILITY

<b>Ports</b>	Video, Audio (HP & Mic), USB 2.0 x 4, Modem (RJ-11), Ethernet (RJ-45), Serial, 15-hole video connector and S-video TV-out connector, Infrared sensor compatible with IrDA Standards 1.1 (Fast IR) and 1.0 (Slow IR)
<b>1394</b>	Optional Adaptec <sup>®</sup> 1394a CardBus Notebook Adapter (availability varies by country)
<b>Modular Options</b>	8XDVD+/-RW <sup>6</sup> ; CD-RW/DVD Combo; CD ROM; Floppy drive (internal/external); Second hard drive

### SECURITY

<b>User &amp; System Security</b>	Optional Trusted Platform Module (TPM) support; Primary system password; Hard Disk Drive password; Administrator password; Integrated Smart Card Reader, providing strong industry standard two factor user authentication (when used with a smart card and applicable software)
<b>Physical Security</b>	Kensington Microsaver Security Cable; Kensington Microsaver Lock; Media Module Security Lock, locks module to system via security screw

### MANAGEABILITY

<b>Manageability Software</b>	Dell OpenManage™ Client Support
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### ACCESSORIES

<b>Mobile Accessories</b>	USB Memory Keys; Auto-Air AC adapter; Additional 90 Watt AC adapter; Country Specific Power Cords; Carrying Cases; D/Bay External Media Bay; D/View Notebook Stand (for use with D/Port Port Replicator); D/Monitor Stand (for use with either D/Port or D/Dock); External USB keyboards and mice; External CRT and Flat Panel Monitors; External Speakers
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### SERVICE

<b>Service</b>	3 Years Next Business Day On-site <sup>7</sup> Service
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Dell PCs use genuine Microsoft Windows. [www.microsoft.com/piracy/howtotell](http://www.microsoft.com/piracy/howtotell). Dell's Terms and Conditions of Sales and Service apply and are available upon request. Dell cannot be held responsible for errors in typography or photography. <sup>1</sup> For hard drives, GB means 1 billion bytes; actual capacity varies with preloaded material and operating environment and will be less. <sup>2</sup> Weight shown is with 15.4" UltraSharp™ WUXGA display, travel module and 9-cell battery. Weights vary depending on configurations and manufacturing variability. <sup>3</sup> Download speeds are limited to 53Kbps. Upload speeds are less (about 30Kbps). Speeds can vary by line condition and modem manufacturer. Analog phone line and service required. <sup>4</sup> This term does not connote actual operating speed of 1 Gb/sec. For high speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required. <sup>5</sup> For comparative purposes only. Actual speed varies with environment, equipment and other factors, and will be less. <sup>6</sup> Discs burned with this drive may not be compatible with some existing drives and players; using DVD+R media provides maximum compatibility. <sup>7</sup> Service may be provided by third-party. Technician will be dispatched if necessary following phone-based troubleshooting. Subject to parts availability, geographical restrictions and terms of service contract. Service timing dependent upon time of day call placed to Dell. U.S. only. Dell's Terms and Conditions of Sales and Service apply and are available upon request. Dell is not responsible for errors in typography or photography. Dell, the Dell logo, Dell Precision, UltraSharp, ExpressCharge and TrueMobile are either registered trademarks or trademarks of Dell Inc. Intel, Intel inside logo and Pentium are registered trademarks of Intel Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names of their products. Dell disclaims proprietary interest in the marks and names of others. © Copyright 2005 Dell Inc. All rights reserved. Reproduction in any manner whatsoever without the express written permission of Dell Inc. is strictly forbidden. For more information contact Dell. October 2005. AD#59961339

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