Dell Precision M6800

Dell Precision Workstations
Dell Precision is your key tool when your job requires you to design digital content, work with CAD models, analyze manufacturing processes or any other performance intensive application. Our mobile workstations offer superb performance, incredible battery life, innovative smart design and ISV certified dependability to maximize your productivity and reliability.

Superb Performance
The Dell Precision M6800 combines workstation-class performance in a dependable, highly agile system that brings your projects to life with:

- 4th Generation Intel® Core™ i5 and i7 processor options up to Intel Core i7 Extreme Edition
- AMD FirePro™ and NVIDIA® Quadro® graphics options with up to 8GB of discrete video memory enable you to run high-end graphics, from rendering to modeling complex simulations.
- Expansive DDR3L memory with four DIMM slots for up to 32GB1, 2 of 1600MHz memory or up to 16GB1, 2 of 1866MHz memory for blistering performance
- The Dell Precision M6800 offers tons of storage with up to four separate storage devices and optional RAID 0, 1 and 5.
- Keep it cool and make it last. Quiet-running dual fans can help increase component longevity and extend battery life.

Innovative Smart Design
No matter where your work takes you the Dell Precision M6800 provides superb functionality and mobility:

- Stand out from the crowd with the M6800 Covet Edition in brilliant Phoenix Red signature color
- Astonishing display options in HD+ or FHD resolution provide accurate color reproduction and brilliant images. The optional 10 finger touch display provides intuitive control of your applications.
- Environmentally responsible: 100% BFR/PVC free10, ENERGY STAR qualified and EPEAT registered11
- Waves MaxxAudio® Pro suite of advanced audio enhancement tools provides an exceptional listening experience
- Optional WiGig wireless technology makes it easy to connect to accessories and peripherals such as displays and projectors without any wires.

Certified Dependability
Designed for professionals who demand strength and reliability, the M6800 is built for a long life of reliable service with:

- Extremely long battery life which can help keep you up and running all day
- 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, FIPS certified TPM and Dell Data Protection | Encryption options
- 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 (screw removal required before first use)

Recommended Accessories
Dell Precision workstation users demand the best both outside and inside the office. That’s why Dell offers all of the essential accessories you need to enhance your productivity including:

- Enjoy outstanding color accuracy, consistency, and richness with state-of-the-art Dell UltraSharp monitors with PremierColor. These monitors are perfect for power users who require precise, accurate, color-critical performance.
- The Dell E-Port Plus Replicator makes it easy to transition to your desk based workspace by allowing you to connect to all your peripherals with one simple connection
- When on the road you need a durable and convenient way to carry your gear. The versatile Timbuk2® Breakout Premium Messenger Case or tough Targus® Drifter™ II laptop backpack safely and comfortably hold your Dell Precision mobile workstation with plenty of room for additional accessories.

Exceptional Service
Rest assured that your Dell Precision mobile workstation will be well protected should an issue arise. The M6800 comes with a 3 year limited hardware warranty12 standard. 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.

Dell recommends Windows®
### Dell Precision M6800 Technical Specifications

| Processors | 4th generation Intel® Core™ i5 and i7 processors, up to Core i7 Extreme Edition, Intel vPro™ advanced management on select CPUs |
| 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 6.4  
• Ubuntu® 12.04 SLP Linux |
| Chipset | Mobile Intel® QM87 Express |
| Memory | 4 DIMM slots: up to 32GB 1600MHz; Or up to 16GB 1866MHz memory |
| Graphics Options | • AMD FirePro M6100 Mobility Pro with 2GB GDDR5 dedicated memory  
• NVIDIA Quadro K3100M with 4GB GDDR5 dedicated memory  
• NVIDIA Quadro K4100M with 4GB GDDR5 dedicated memory  
• NVIDIA Quadro K5100M with 8GB GDDR5 dedicated memory |
| Display Options | • 17.3" HD+(1600x900): anti-glare, LED-backlit with Premium Panel Guarantee  
• 17.3" FHD (1920x1080): Dell UltraSharp™ wide view, anti-glare, LED-backlit, Premium Panel Guarantee  
• 17.3" FHD(1920x1080): Dell UltraSharp™ multi-touch, LED-backlit, ten finger simultaneous touch, Premium Panel Guarantee |
| Storage Options | Support for four storage devices: one 2.5" drive in easy eject drive bay; one 2.5" drive in internal bay; one 2.5" in optical bay caddy; one solid state Mini-Card; Dell Fast Response Free Fall Sensor standard  
• Hard Disk Drive: Up to 750GB 7200rpm SATA 6Gb/s  
• Hybrid Hard Drive (HHD): Up to 1TB SATA 6Gb/s with up to 16GB of solid state storage; 500GB FIPS certified self encrypting HDD  
• Solid state drive (SSD): from 128GB to 512GB SATA 6Gb/s  
• Solid State Mini-Card storage device (mSATA): from 128GB to 512GB |
| Communication Options | Wired: Intel 82579MV 10/10/100/1000 Gigabit Ethernet  
• Intel Centrino® Ultimate-N 6300 (802.11n 3x3 half Mini-Card)  
• Intel Centrino® Advanced-N 7260 (802.11ac+BT 4.0 2x2 half Mini-Card)  
• Dell Wireless 1550 (802.11 a/c+BT 4.0 2x2 half Mini-Card)  
• Dell Wireless 1601 (802.11n+BT+60Hz WiGig 2x2 half Mini-Card)  
• Mobile Broadband & GPS: Dell Wireless™ DWS570 Multi-mode HSPA+/-42Mbps full Mini-Card  
• Dell Wireless™ DWS808 Gobi 4G/LTE full Mini-Card |
| Multimedia | • Dual integrated high quality speakers and dual integrated noise cancelling digital array microphones standard  
• Waves MaxxAudio® Pro suite of advanced audio enhancement tools standard  
• Optional, integrated, light sensitive HD video webcam with Dell Webcam Central software |
| Optical Drive | DVD-ROM; Slot load DVD+/-RW; Blu-ray Disc™ Rewritable; Optical bay caddy for additional hard drive or solid state drive |
| Standard I/O Ports | | |
| | Left | Rear | Right |
| 1 | Lock Slot | VGA | 1 - USB 3.0 |
| 2 | USB 3.0 | USB 2.0 | USB 3.0 with PowerShare |
| 3 | Microphone | eSATA / USB 2.0 | DisplayPort |
| 4 | Headphone | HDMI | DisplayPort |
| 5 | 1 - 9-in-1 media card reader  
1 - SmartCard reader (optional)  
1 - 54mm ExpressCard slot | 1 - Lock Slot | 1 - Wireless switch |
| Chassis | Materials: aluminum and magnesium alloy  
Dimensions (HxWxD): 1.44-1.59” x 16.41” x 10.65” (36.45-40.44mm x 416.7mm x 270.6mm);  
Touch version: 1.55-1.71” x 16.41” x 10.65” (39.45-43.44mm x 416.7mm x 270.6mm) | 1.44-1.59” x 16.41” x 10.65” (36.45-40.44mm x 416.7mm x 270.6mm);  
Touch version: 1.55-1.71” x 16.41” x 10.65” (39.45-43.44mm x 416.7mm x 270.6mm);  
Solid state drive (SSD): from 128GB to 512GB  
• Solid State Mini-Card storage device (mSATA): from 128GB to 512GB  
• Optional RAID 0 or 1 (requires minimum of two storage devices); Optional RAID 5 (requires minimum of three storage devices) |
| Battery Options | 9-cell (97Wh) with ExpressCharge™; 9-cell (87Wh) 3 Year Limited Hardware Warranty  
• 9-cell (97Wh) Extended battery slice |
| Recommended Accessories | Monitors: Dell’s award winning UltraSharp Monitors; Dell MDS14  
• Dual Monitor Stand  
• Docking: Dell E-Port Plus Advanced Port Replicator  
Keyboard and mouse: Dell KM714 wireless keyboard and mouse; Dell Multimedia Keyboard  
Carrying Case: Timbuk2® Breakout Premium Messenger Case; Targus Drifter II Backpack |
| Security Options | Lock slot; Trusted Platform Module 1.2 (TPM); FIPS certified TPM; Setup/BIOS Password; I/O Interface Security; Intel Anti-Theft Protection (iATP); Contact SmartCard reader; Contactless SmartCard reader; standard or FIPS certified fingerprint reader; Dell ControlVault; FIPS certified self encrypting drive; Dell Data Protection | Security Tools; Dell Data Protection | Protected Workspace; Dell Data Protection | Encryption |
| Environmental and Regulatory | Environmental standards (eco-labels) include: BFR/PVC free  
ENERGY STAR® qualified, EPEAT® Registered  
China – RoHS, CECP, CEC; EU – RoHS, WEEE, Germany – GS Mark; South Korea – RoHS, Eco-label; Japan – RoHS, Energy Law, Green PC  
Other environmental options: Dell Asset Recovery Service |
| Warranty and Support Services | Limited Hardware Warranty  
• Standard 3-year Next Business Day On Site Service after Remote Diagnosis  
Optional 3 year Dell ProSupport® offers premium support from expert technicians and 24x7 global availability. |

**Contact your sales representative or learn more at Dell.com/precision**

---

1. A 64-bit operating system is required to support 4GB or more of system memory.  
2. 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.  
3. Availability and terms of Dell Services vary by region. For more information, visit www.dell.com/servicesdisclosures.  
4. Intel UltraSharp™, Intel Centrino® Ultimate-N, and Intel Centrino® Advanced-N are backed with the Premium Panel Guarantee which will provide you with a replacement monitor should even one bright defect pixel be found on the screen during the Limited Hardware Warranty period.  
5. GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.  
7. Media reader supports: SD, SD-XC, plus legacy – SD, SDIO, MMC, XD, MS, Mini-MMC, MMC+.  
8. Weights vary depending on configuration and manufacturing variability.  
10. Excludes external power brick and power cord. Dell follows the INEM definition of BFR/PVC free. For more information on Dell’s policy and progress, please see our www.dell.com/environment site.  
11. Legal disclosure goes here, if needed. Consult the online legal tools for current disclosures.  
12. EPEAT registration can vary by country. Please see www.epeat.net for the latest registration level and country participation.  
13. 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.  
14. For shipping purposes the drive in the easy eject drive bay initially ships from the factory screwed into place. For toolless use, screws must be removed. Dell is a trademark of Dell Inc. ©2013 Dell Inc. All rights reserved.