Dell Precision M4800

Dell Precision Workstations

Dell Precision is your key tool if 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

Sacrifice nothing. The Dell Precision M4800 combines laptop mobility and workstation-class performance into 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 enable you to run high-end graphics for all of your professional needs, from rendering to modeling complex simulations.
- Expansive DDR3L memory with four DIMM slots for up to 32GB[1, 2] of 1600MHz memory or up to 16GB[1, 2] of 1866MHz memory for blistering performance
- The Dell Precision M4800 offers lots of storage with up to three 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

Work smarter with state-of-the-art design and intuitive purpose driven features. No matter where your work takes you the Dell Precision M4800 provides superb mobility and functionality:

- Stay productive in low-light environments with the optional backlit keyboard
- Astonishing display options with provide excellent color and accuracy. Our optional QHD+ display offers 3200 x 1800 resolution for astonishing resolution.
- Environmentally responsible - 100% BFR/PVC free[10], ENERGY STAR qualified and EPEAT registered[11]
- 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 M4800 is built for a long life of dependable service with:

- Extremely long battery life 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[9]
- 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)[14]

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 M4800 comes with a 3 year limited hardware warranty[12] standard. Dell's premium support service, ProSupport[3], features 24/7 direct telephone access to advanced-level technicians based in your region to end downtime and resolve problems quickly.

Dell Precision M4800 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 SP1 Linux
Chipset	Mobile Intel® QM87 Express
Memory[1, 2]	4 DIMM slots: up to 32GB 1600MHz; Or up to 16GB 1866MHz memory
Graphics Options[2]	• AMD FirePro M5100 Mobility Pro with 2GB GDDR5 dedicated memory • NVIDIA Quadro K1100M with 2GB GDDR5 dedicated memory • NVIDIA Quadro K2100M with 2GB GDDR5 dedicated memory
Display Options	• 15.6" HD (1366x768): anti-glare, LED-backlit • 15.6" FHD (1920x1080): Dell UltraSharp™, wide view, anti-glare, LED-backlit, Premium Panel Guarantee[4] • 15.6" QHD+ (3200x1800): Dell UltraSharp™, wide view, anti-glare, LED-backlit, Premium Panel Guarantee[4]
Storage Options[5]	Support for three storage devices: one 2.5" drive in easy eject drive bay; one 2.5" drive in optical bay caddy[6]; 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 HHD[9] • Solid state drive (SSD): from 128GB to 512GB SATA 6Gb/s • Solid State Mini-Card storage device (mSATA): 128GB to 512GB Optional RAID 0 or 1 (requires minimum of two storage devices); Optional RAID 5 (requires three storage devices)
Communication Options	**Wired:** Integrated Intel 82579M/V 10/100/1000 Gigabit Ethernet **Wireless LAN & Bluetooth:** • Dell Wireless 1506 (802.11gn) • 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™ DW5570 Multi-mode HSPA+/-42Mbps full Mini-Card • Dell Wireless™ DW5808 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 • Optional, integrated, light sensitive HD video webcam with Dell Webcam Central software
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	Left	Rear	Right
	1 - Lock Slot 2 - USB 3.0 1 - Microphone 1 - Headphone 1 - 9-in-1 media card reader[7] 1 - SmartCard reader (optional) 1 - 54mm ExpressCard slot	1 - VGA 1 - RJ-45 1 - eSATA / USB 2.0 1 - HDMI	1 - USB 3.0 1 - USB 3.0 with PowerShare 1 - DisplayPort 1 - Wireless switch

Chassis	**Materials:** aluminum and magnesium alloy **Dimensions** (HxWxD): 1.29-1.37" x 14.80" x 10.08"; 36.25mm-39.9mm x 376mm x 256mm	**Weight[8]:** starts at 6.35lbs; 2.88kg (with 6-cell battery, airbay and optional mSATA) **Power:** 180W AC adapter **Slots:** 1 full and 2 half Mini-Card slots

Battery Options	6-cell (65Wh) with ExpressCharge™; 9-cell (97Wh) with ExpressCharge™; 9-cell (97Wh) 3 Year Limited Hardware Warranty[12]; 9-cell (97Wh) Extended battery slice
Input	• Full size keyboard with number pad protected by an anti-microbial coating standard; backlit optional • Multi-touch touchpad with three buttons; track stick with three buttons

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[9]	Lock slot; Trusted Platform Module 1.2 (TPM); FIPS Certified TPM; FIPS certified self encrypting drive; Setup/BIOS Password; Standard or FIPS certified fingerprint reader; I/O Interface Security; Intel Anti-Theft Protection (iATP); Contact SmartCard reader; Contactless SmartCard reader; 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[10]; ENERGY STAR® qualified; EPEAT® Registered[11]; 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 Energy Smart settings (select configurations); Dell Asset Recovery Service
Warranty and Support Services	Limited Hardware Warranty[12]: Standard 3-year Next Business Day On Site Service after Remote Diagnosis[13]. Optional 3 year Dell ProSupport[3] offers premium support from expert technicians and 24x7 global availability.

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