



DELL Precision M2800 Intel® Core™ i7 i7-4810MQ Mobile workstation 15.6" Full HD 8 GB DDR3L-SDRAM 1 TB Hybrid-HDD AMD FirePro M4170M Windows 7 Professional Black, Silver

Brand : DELL

Product family: Precision

Article code: 2800-9502

Product name : M2800

Precision M2800 - Intel Core i7-4810MQ (6M Cache, up to 3.80 GHz), 8GB DDR3L 1600MHz, 1TB SSHD, 39.624 cm (15.6 ") FHD LED (1920 x 1080), Intel HD Graphics 4600 + AMD FirePro M4170M, DVD+/-RW, SCR, FPR, Gigabit Ethernet, Wi-Fi, 9-Cell, Windows 7 Professional 64-bit / Windows 8.1

DELL Precision M2800. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4810MQ, Processor frequency: 2.8 GHz. Display diagonal: 15.6", HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: Hybrid-HDD, Optical drive type: DVD±RW. Operating system installed: Windows 7 Professional. Product color: Black, Silver



Design		Software	
Product type *	Mobile workstation	Operating system architecture	64-bit
Product color *	Black, Silver	Recovery operating system	Windows 8.1
Form factor *	Clamshell	Operating system installed *	Windows 7 Professional
Market positioning	Business	Processor special features	
Display		Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal *	15.6"	Intel® My WiFi Technology (Intel® MWT)	✓
Display resolution *	1920 x 1080 pixels	Intel Smart Connect Technology	✗
Touchscreen *	✗	Intel® Anti-Theft Technology (Intel® AT)	✓
HD type	Full HD	Intel® Rapid Start Technology	✗
LED backlight	✓	Intel® Smart Response Technology	✗
Native aspect ratio	16:9	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor family *	Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✗
Processor generation	4th gen Intel® Core™ i7	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor model *	i7-4810MQ	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor cores	4	Intel® Active Management Technology (Intel® AMT)	✗
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.8 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2.8 GHz	Intel Clear Video Technology	✗
System bus rate	5 GT/s		
Processor cache	6 MB		
Processor cache type	Smart Cache		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-4800 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		

Processor		Processor special features	
FSB Parity	✗	Intel® InTru™ 3D Technology	✓
Stepping	C0	Intel® Insider™	✓
Thermal Design Power (TDP)	47 W	Intel® Quick Sync Video Technology	✓
Tjunction	100 °C	Intel Flex Memory Access	✗
Maximum number of PCI Express lanes	16	Intel® Smart Cache	✓
PCI Express slots version	3.0	Intel QuickPath Interconnect	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® AES New Instructions (Intel® AES-NI)	✓
ECC supported by processor	✗	Intel Trusted Execution Technology	✓
Memory		Intel Enhanced Halt State	✓
Internal memory *	8 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory type	DDR3L-SDRAM	Intel Demand Based Switching	✓
Memory clock speed	1600 MHz	Intel® Secure Key	✓
Memory form factor	SO-DIMM	Intel TSX-NI	✗
Memory layout (slots x size)	2 x 4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory slots	2x SO-DIMM	Intel 64	✓
Maximum internal memory *	16 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	1 TB	Thermal Monitoring Technologies	✓
Storage media *	Hybrid-HDD	Processor package size	37.5 x 37.5 x 4.7 mm
Number of HDDs installed	1	Supported instruction sets	AVX 2.0
HDD interface	SATA	Processor code	SR15K
Hybrid-HDD cache type	Flash	CPU configuration (max)	1
Hybrid-HDD capacity	1 TB	Embedded options available	✗
Hybrid-HDD cache memory	8 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD size	2.5"	Intel Identity Protection Technology version	1.00
Optical drive type *	DVD±RW	Intel Secure Key Technology version	1.00
Card reader integrated	✓	Intel TSX-NI version	0.00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	AMD FirePro M4170M	Intel Dual Display Capable Technology	✗
On-board graphics card *	✓	Intel FDI Technology	✓
Discrete graphics card *	✓	Intel Rapid Storage Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel Fast Memory Access	✗
On-board graphics card model *	Intel® HD Graphics 4600	Processor ARK ID	78937
On-board graphics card base frequency	400 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1300 MHz	Battery	
Maximum on-board graphics card memory	1.74 GB	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card DirectX version	11.1	Number of battery cells	9
On-board graphics card ID	0x416	Battery capacity *	97 Wh
Number of discrete graphics cards installed	1	Power	
Audio		AC adapter power	130 W
Audio system	HD	AC adapter frequency	50 - 60 Hz
Number of built-in speakers	2	AC adapter input voltage	100 - 240 V
Built-in microphone	✓	AC adapter output voltage	19.5 V
Camera		DC-in jack	✓
Front camera	✓	Security	
Front camera resolution	1280 x 720 pixels	Cable lock slot	✓
Network		Cable lock slot type	Kensington
Wi-Fi	✓	Fingerprint reader	✓
Ethernet LAN	✓	Trusted Platform Module (TPM)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.0		

Network		Security	
Bluetooth Low Energy (BLE)	✓	Password protection	✓
Ports & interfaces		Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Width	14.9" (379 mm)
Ethernet LAN (RJ-45) ports	1	Depth	9.86" (250.5 mm)
HDMI ports quantity *	1	Height	1.31" (33.4 mm)
DVI port	✗	Weight *	5.64 lbs (2.56 kg)
VGA (D-Sub) ports quantity	1	Packaging content	
S/PDIF out port	✗	AC adapter included *	✓
Microphone in	✗	Manual	✓
Combo headphone/mic port	✓	Power cord included	✓
Docking connector	✓	Other features	
CardBus PCMCIA slot type	✗	Maximum internal memory (64-bit)	16 GB
SmartCard slot	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Performance			
Motherboard chipset	Intel® QM87		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✓		
Keyboard backlit	✓		
Full-size keyboard	✓		
Windows keys	✓		



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