



DELL Precision M3510 i7-6820HQ Mobile workstation 39.6 cm (15.6") Full HD Intel® Core™ i7 8 GB DDR4-SDRAM 256 GB SSD AMD FirePro W5130M Wi-Fi 5 (802.11ac) Windows 7 Professional Black

Brand : DELL

Product family: Precision

Product code: K1P8Y

Product name : M3510



Intel Core i7-6820HQ (8MB Cache, 2.7 GHz), 8GB DDR4 2133MHz, 256GB SSD, 39.624 cm (15.6 ") FHD LED (1920x1080), AMD FirePro W5130M, WLAN, Gigabit LAN, Bluetooth, SCR, Windows 7 Professional 64-bit / Windows 10 Pro

DELL Precision M3510. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-6820HQ, Processor frequency: 2.7 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 530. Operating system installed: Windows 7 Professional. Product colour: Black



Design		Software	
Product type *	Mobile workstation	Operating system installed *	Windows 7 Professional
Product colour *	Black	Processor special features	
Form factor *	Clamshell		
Market positioning	Business	Intel Wireless Display (WiDi) Technology	✓
Display		Intel My WiFi Technology	✓
Display diagonal *	39.6 cm (15.6")	Intel Anti-Theft Technology	✗
Display resolution *	1920 x 1080 pixels	Intel® Smart Response Technology	✓
Touch screen *	✗	Intel Identity Protection Technology	✓
HD type	Full HD	Intel Hyper-Threading Technology	✓
LED backlight	✓	Intel Turbo Boost Technology	2.0
Native aspect ratio	16:9	Intel® Small Business Advantage (Intel® SBA)	✓
Processor		Enhanced Intel SpeedStep Technology	✓
Processor manufacturer *	Intel	Intel® Built-in Visuals Technology	✓
Processor generation	6th gen Intel® Core™ i7	Intel HD Graphics	✓
Processor *	i7-6820HQ	Intel Clear Video HD Technology	✓
Processor family *	Intel® Core™ i7	Intel Clear Video Technology	✓
Processor frequency *	2.7 GHz	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3.6 GHz	Intel® Insider™	✓
Processor number of cores	4	Intel® Quick Sync Video Technology	✓
Processor threads	8	Intel Flex Memory Access	✓
System bus data transfer rate	8 GT/s	Intel® Smart Cache	✓
Processor cache	8 MB	Intel AES New Instructions	✓
Processor cache type	Smart Cache	Intel Trusted Execution Technology	✓
Processor socket	BGA 1440	Intel Enhanced Halt State	✓
Processor lithography	14 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes	64-bit	Intel Demand Based Switching	✗
Processor series	Intel Core i7-6800 Mobile Series	Intel® Secure Key	✓
Processor codename	Skylake		

Processor		Processor special features	
Bus type	DMI3	Intel TSX-NI	✓
FSB Parity	✗	Intel Stable Image Platform Program (SIPP)	✓
Stepping	R0	Intel® OS Guard	✓
Thermal Design Power (TDP)	45 W	Intel Software Guard Extensions (Intel SGX)	✓
Configurable TDP-down	35 W	Intel Clear Video Technology for MID	✓
Tjunction	100 °C	Intel 64	✓
Maximum number of PCI Express lanes	16	Execute Disable Bit	✓
PCI Express slots version	3.0	Idle States	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Thermal Monitoring Technologies	✓
ECC supported by processor	✗	Processor package size	42 x 28 mm
Memory		Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Internal memory *	8 GB	Processor code	SR2FU
Internal memory type	DDR4-SDRAM	CPU configuration (max)	1
Memory clock speed	2133 MHz	Embedded options available	✗
Memory form factor	SO-DIMM	Graphics & IMC lithography	14 nm
Memory slots	2x SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory *	16 GB	Intel Identity Protection Technology version	1.00
Storage		Intel Smart Response Technology version	1.00
Total storage capacity *	256 GB	Intel Stable Image Platform Program (SIPP) version	1.00
Storage media *	SSD	Intel Secure Key Technology version	1.00
Number of SSDs installed	1	Intel Small Business Advantage (SBA) version	1.00
Solid-state drive capacity	256 GB	Intel TSX-NI version	1.00
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Intel Dual Display Capable Technology	✗
Compatible memory cards	SD, SDHC, SDXC	Intel FDI Technology	✗
Graphics		Intel Rapid Storage Technology	✗
Discrete graphics card model *	AMD FirePro W5130M	Intel Fast Memory Access	✗
On-board graphics card *	✓	Processor ARK ID	88970
Discrete graphics card *	✓	Conflict-Free processor	✓
On-board graphics card family	Intel® HD Graphics	Battery	
On-board graphics card model *	Intel® HD Graphics 530	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card base frequency	350 MHz	Number of battery cells	4
On-board graphics card dynamic frequency (max)	1050 MHz	Battery voltage	11.4 V
Maximum on-board graphics card memory	1.7 GB	Energy Management	
On-board graphics card DirectX version	12.0	AC adapter power	130 W
On-board graphics card OpenGL version	4.4	AC adapter frequency	50 - 60 Hz
On-board graphics card ID	0x191B	AC adapter input voltage	100 - 240 V
Number of discrete graphics cards installed	1	AC adapter output current	3.34 A
Graphics card Open GL support	✓	AC adapter output voltage	19.5 V
Audio		Security	
Number of built-in speakers	2	Cable lock slot	✓
Speaker power	2 W	Password protection	✓
Built-in microphone	✓	Operational Conditions	
Camera		Operating temperature range (T-T)	0 - 35 °C
Front camera	✓	Storage temperature range (T-T)	-40 - 65 °C
Network		Operating relative humidity range	10 - 90%
Wi-Fi	✓	Storage relative humidity range	5 - 95%
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Operating altitude	0 - 3048 m
Wi-Fi standards	Wi-Fi 5 (802.11ac)	Non-operating altitude	0 - 10668 m
Ethernet LAN connection	✓	Sustainability	
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability certificates	ENERGY STAR
Bluetooth	✓		

Network		Weight & Dimensions	
Bluetooth version	4.1	Width	377.1 mm
Ports & interfaces		Depth	252.6 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Height	24.6 mm
Ethernet LAN (RJ-45) ports quantity	1	Weight *	2.23 kg
HDMI ports quantity *	1	Packaging Content	
HDMI version	1.4	Manual	✓
DVI port	✗	Power cord included	✓
VGA (D-Sub) ports quantity	1	Other features	
Combo headphone/mic port	✓	AC adapter bundled	✓
Docking connector	✓	Maximum internal memory (64-bit)	16 GB
Charging port type	DC-in jack	Intel segment tagging	Professional
SmartCard slot	✓		
USB Sleep-and-Charge	✓		
USB Sleep-and-Charge ports	1		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✓		
Keyboard backlit	✓		
Full-size keyboard	✓		
Windows keys	✓		
Software			
Operating system architecture	64-bit		
Optional operating system supplied	Windows 10 Pro		
Drivers included	✓		



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