



**MSI Prestige PE60 6QE-048XTH laptop Intel® Core™ i7 i7-6700HQ  
39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 1 TB HDD NVIDIA®  
GeForce® GTX 960M Wi-Fi 5 (802.11ac) FreeDOS Black, Silver**

**Brand :** MSI

**Product family:** Prestige

**Product code:** PE60  
6QE-048XTH

**Product name :** PE60  
6QE-048XTH



Intel Core i7-6700HQ (6M Cache, 2.60 GHz), 15.6" Full HD (1920x1080) LED, 8GB DDR4, 1TB SATA HDD, DVD Super Multi, Intel HD Graphics 530 + NVIDIA GeForce GTX 960M 2GB GDDR5, Gigabit Ethernet, WLAN 802.11ac, Bluetooth 4.0, HD Webcam, Free DOS

MSI Prestige PE60 6QE-048XTH. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-6700HQ, Processor frequency: 2.6 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: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: FreeDOS. Product colour: Black, Silver



Design		Ports & interfaces	
Product type *	Laptop	Microphone in	✓
Product colour *	Black, Silver	Docking connector	✗
Form factor *	Clamshell	ExpressCard slot	✗
Display		CardBus PCMCIA slot type	✗
Display diagonal *	39.6 cm (15.6")	SmartCard slot	✗
Display resolution *	1920 x 1080 pixels	Performance	
Touch screen *	✗	Motherboard chipset	Intel® HM170
HD type	Full HD	Keyboard	
LED backlight	✓	Pointing device	Touchpad
Native aspect ratio	16:9	Numeric keypad *	✓
Display surface	Matt	Keyboard backlight	✓
Dual-screen	✗	Windows keys	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	FreeDOS
Processor family *	Intel® Core™ i7	Processor special features	
Processor generation	6th gen Intel® Core™ i7	Intel Wireless Display (WiDi) Technology	✓
Processor *	i7-6700HQ	Intel My WiFi Technology	✓
Processor number of cores	4	Intel Anti-Theft Technology	✗
Processor threads	8	Intel® Smart Response Technology	✓
Processor boost frequency	3.5 GHz	Intel Identity Protection Technology	✓
Processor frequency *	2.6 GHz	Intel Hyper-Threading Technology	✓
System bus data transfer rate	8 GT/s	Intel Turbo Boost Technology	2.0
Processor cache	6 MB	Intel® Small Business Advantage (Intel® SBA)	✓
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Processor socket	BGA 1440	Intel® Built-in Visuals Technology	✓
Processor lithography	14 nm	Intel HD Graphics	✓
Processor operating modes	64-bit		
Processor series	Intel Core i7-6700 Mobile series		
Processor codename	Skylake		
Bus type	DMI3		
FSB Parity	✗		
Stepping	R0		

Processor		Processor special features	
Thermal Design Power (TDP)	45 W	Intel Clear Video HD Technology	✓
Configurable TDP-down	35 W	Intel Clear Video Technology	✓
Tjunction	100 °C	Intel® InTru™ 3D Technology	✓
Maximum number of PCI Express lanes	16	Intel® Insider™	✓
PCI Express slots version	3.0	Intel® Quick Sync Video Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Flex Memory Access	✓
ECC supported by processor	✗	Intel® Smart Cache	✓
Memory		Intel AES New Instructions	✓
Internal memory *	8 GB	Intel Trusted Execution Technology	✗
Internal memory type	DDR4-SDRAM	Intel Enhanced Halt State	✓
Memory clock speed	2133 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory form factor	SO-DIMM	Intel Demand Based Switching	✗
Memory slots	2x SO-DIMM	Intel® Secure Key	✓
Maximum internal memory *	32 GB	Intel TSX-NI	✗
Storage		Intel Stable Image Platform Program (SIPP)	✗
Total storage capacity *	1 TB	Intel® OS Guard	✓
Storage media *	HDD	Intel Software Guard Extensions (Intel SGX)	✓
Number of hard drives installed	1	Intel Clear Video Technology for MID	✓
Hard drive capacity	1 TB	Intel 64	✓
Optical drive type *	DVD Super Multi	Execute Disable Bit	✓
Card reader integrated	✓	Idle States	✓
Compatible memory cards	SD, SDHC, SDXC	Thermal Monitoring Technologies	✓
Graphics		Processor package size	42 x 28 mm
Discrete graphics card model *	NVIDIA® GeForce® GTX 960M	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Discrete graphics card memory	2 GB	Processor code	SR2FQ
On-board graphics card *	✓	CPU configuration (max)	1
Discrete graphics card *	✓	Embedded options available	✗
On-board graphics card family	Intel® HD Graphics	Graphics & IMC lithography	14 nm
On-board graphics card model *	Intel® HD Graphics 530	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card base frequency	350 MHz	Intel Identity Protection Technology version	1.00
On-board graphics card dynamic frequency (max)	1050 MHz	Intel Smart Response Technology version	1.00
Maximum on-board graphics card memory	1.7 GB	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card DirectX version	12.0	Intel Secure Key Technology version	1.00
On-board graphics card OpenGL version	4.4	Intel Small Business Advantage (SBA) version	1.00
On-board graphics card ID	0x191B	Intel TSX-NI version	1.00
Number of discrete graphics cards installed	1	Intel Virtualization Technology (VT-x)	✓
Graphics card Open GL support	✓	Intel Dual Display Capable Technology	✗
Audio		Intel FDI Technology	✗
Audio system	Audio Boost	Intel Rapid Storage Technology	✗
Number of built-in speakers	4	Intel Fast Memory Access	✗
Speakers manufacturer	Dynaudio	Processor ARK ID	88967
Built-in subwoofer	✓	Conflict-Free processor	✓
Built-in microphone	✓	Battery	
Camera		Number of battery cells	6
Front camera	✓	Energy Management	
Front camera resolution	1280 x 720 pixels	AC adapter power	120 W
Video capturing speed	30 fps	AC adapter frequency	50 - 60 Hz
Network		DC-in jack	✓
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		

Network		Security	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Cable lock slot	✓
Ethernet LAN connection	✓	Cable lock slot type	Kensington
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & Dimensions	
Bluetooth	✓	Width	383 mm
Bluetooth version	4.0	Depth	260 mm
Ports & interfaces		Height	27 mm
USB 2.0 ports quantity *	1	Weight *	2.3 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Packaging Content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	AC adapter bundled *	✓
Ethernet LAN (RJ-45) ports quantity	1	Manual	✓
HDMI ports quantity *	1	Other features	
HDMI version	1.4	LightScribe	✗
Mini DisplayPort quantity	1	3D compatibility	✗
DVI port	✗	Intel Virtualization Technology	VT-x, VT-d
Headphone outputs	1		
S/PDIF out port	✗		

## Catalog Object Cloud



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