

# MSI Prestige PE60 6QE-690BE notebook Azerty (PE60 6QE-690BE)

Intel Core i7-6700HQ (6M Cache, 2.60 GHz), 39.624 cm (15.6 ") Full HD (1920x1080) LED, 8GB DDR4, 256GB SSD + 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, Windows 10 Home 64-bit



#### Price details:

Price excl. VAT: 755.01 €

Eco fees: 0.19 €

VAT 21 %: 158.59 €

#### Product details:

Product code: PE60 6QE-690BE

EAN: 4719072452421

Manufacturer: MSI

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**913.79 €**

Product is discontinued. You can not order it anymore.

\* VAT included

## HEAR BEYOND THE LIMITS, NAHIMIC SOUND TECHNOLOGY IS NOW PACKED FOR BETTER ENTERTAINMENT

Nahimic enhances sound quality and precision, audio inputs are therefore transformed into vivid-like ones. Build your own entertainment corner and enjoy the immersive virtual sound in high definition with one laptop and with just one simple click.

- Highly immersive 7.1 virtualization Brings an ultra realistic 360°Sound stage.
- rwd
- Each Sound can be Decisive. Raises up the highest frequencies in order to highlight all the important tiny details when listening to music.
- Powerful and Deep Bass Nahimic emphasizes the sub frequencies of pump-up musics and let you enjoy the full power of bass-heavy music.
- Removes 90% of the Noise Removes noise from your communications. No more disturbance during online business talks or online chats with your friends

### True Color Technology

MSI has partnered with Portrait Displays, Inc. in developing a level of accuracy for display technology that sets a new standard, the MSI True Color Technology. Trusting that the displays colors naturally represent the content is MSI's objective. MSI True Color Technology guarantees that each panel in a MSI notebook comes with the finest precision in color. After examination and an extensive factory calibration process by MSI True Color Technology, the panel quality will be more accurate, close to 100% sRGB. Hence, each color is delivered with the highest standard precision in detail, guaranteeing excellent color fidelity for many use applications.

### True Color Profile

There are 6 TRUE COLOR PROFILES for image optimization for different scenarios. Work or play, you can easily switch to the mode that best suits your eyes. The profile sharing feature permits you to share your True Color settings to other users anywhere. This function ensures that every notebook with MSI True Color software presents exactly the same color on screen, It is an ideal design for agency, corporate in-house and freelance designers seeking to have a common view of their content.

### Silky Silver Metallic Cover

Inspired by boutique fashion and high-precision instruments, the new MSI Prestige series is simple yet sophisticated - with silky silver metallic exterior design and the white light backlit keyboard in the interior.

### Advanced Desktop Performance Made Portable

The NVIDIA GeForce GTX 960M Series brings extreme, next-generation graphics performance to notebooks. As the first graphics solution to reach a score almost 5,750 in 3DMark 11, the GeForce GTX 960M delivers powerful performance and outstanding efficiency in a lightweight and portable device for exquisite artwork designs and lifelike multimedia entertainment.

### COOLER BOOST 3 - BETTER COOLING SOLUTION

The exclusive Cooler Boost 3 technology creates a split thermal solution for the MSI Prestige Series by utilizing a total of 4 heat pipes, 3 dedicated for graphics card and 1 for processor and dual fans.

This thermal solution significantly reduces system temperature by optimizing thermal dissipation with dual fans and pushing heat outside through 2 vents. Cooler Boost 3 offers optimum cooling and maintains a stable and low temperature system even after long sessions of the highest loading.

### "SHIFT" - BOOST PERFORMANCE UNDER CONTROLLED NOISE & TEMPERATURE

The exclusive MSI "SHIFT" technology pushes system to the extreme while minimizing noise and temperature. Default setting for the Prestige Series is at GREEN mode. Switch between two other profiles "Sport" and "Comfort" to reach balance between system performance and comfortable user experience.

- Runs CPU and GPU at the highest frequency for maximum performance.
- Limits GPU frequency to level 1. Maintain GPU temperature under 89°C.
- Disables Intel Turbo boost and limits GPU frequency to level 2. Control CPU and GPU temperatures under 85°C.

### Matrix Display

As a designer or a business elite, it is a must to possess multi-task ability. However, it is also extremely important to relax completely after work to keep a balanced life. With the Matrix Display, you can now build the multi-display working or multi-media environment (built-in + 2 external). Work or fun, it is possible to have both at the same time with just one MSI Prestige notebook.

### LATEST 6TH GENERATION INTEL® CORE i7 PROCESSORS

Skylake is codename of the brand new 14nm micro-architecture of Intel's latest 6th generation processors. The Skylake platform requires lower power consumption but delivers better performance than before. CPU performance of Core i7-6700HQ is 20% faster than i7-4720HQ under average usage.

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#### Main specifications:

##### Design

Product type:	Notebook
Colour of product:	Black, Silver
Form factor:	Clamshell

##### Processor

Processor frequency:	2.6 GHz
Processor family:	Intel Core i7-6xxx
Processor model:	i7-6700HQ
Processor boost frequency:	3.5 GHz
Processor cores:	4
Processor threads:	8
System bus rate:	8 GT/s
Processor cache:	6 MB
Processor socket:	BGA1440
Processor cache type:	Smart Cache
Motherboard chipset:	Intel HM170
Processor lithography:	14 nm
Processor operating modes:	64-bit
Bus type:	DMI3
Processor codename:	Skylake
Thermal Design Power (TDP):	45 W
Maximum number of PCI Express lanes:	16
PCI Express slots version:	3.0
PCI Express configurations:	1x8+2x4, 1x16, 2x8
Configurable TDP-down:	35 W
Tjunction:	100 °C

Maximum internal memory supported by processor: 64 GB  
Memory types supported by processor: DDR3L-SDRAM,LPDDR3-SDRAM,DDR4-SDRAM  
Memory clock speeds supported by processor:1600,1866,2133 MHz  
Memory bandwidth supported by processor (max): 34.1 GB/s  
Memory channels supported by processor: Dual  
ECC supported by processor: N

#### Memory

Internal memory: 8 GB  
Internal memory type: DDR4-SDRAM  
Memory clock speed: 2133 MHz  
Memory slots: 2x SO-DIMM  
Maximum internal memory: 32 GB  
Memory form factor: SO-DIMM

#### Storage

Total storage capacity: 1256 GB  
Storage media: HDD+SSD  
Number of hard drives installed: 1  
Hard drive capacity: 1000 GB  
Solid-state drive capacity: 256 GB  
Card reader integrated: Y  
Compatible memory cards: SD,SDHC,SDXC

#### Display

Display diagonal: 15.6 "  
Display resolution: 1920 x 1080 pixels  
Touchscreen: N  
LED backlight: Y  
HD type: Full HD  
3D: N  
Display surface: Matt  
Aspect ratio: 16:9

#### Graphics

On-board graphics adapter model: Intel HD Graphics 530  
On-board graphics adapter outputs supported: DisplayPort,Embedded DisplayPort (eDP),DVI,HDMI  
On-board graphics adapter base frequency: 350 MHz  
On-board graphics adapter dynamic frequency (max): 1050 MHz  
Maximum on-board graphics adapter memory: 1.7 GB  
On-board graphics adapter maximum resolution (DisplayPort): 4096x2304 pixels  
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On-board graphics adapter maximum resolution (eDP 2.30e.g. Flat Panel): 4096x2304 pixels  
Number of displays supported by on-board graphics adapter: 3  
Discrete graphics adapter model: NVIDIA GeForce GTX 960M  
Discrete graphics adapter memory: 2 GB  
Number of discrete graphics adapters installed: 1  
On-board graphics adapter DirectX version: 12.0  
On-board graphics adapter OpenGL version: 4.4  
Graphics adapter Open GL support: Y

#### Optical drive

Optical drive type: DVD Super Multi  
LightScribe: N

#### Audio

Audio system: Audio Boost  
Number of built-in speakers: 4  
Speakers manufacturer: Dynaudio  
Built-in subwoofer: Y  
Built-in microphone: Y

#### Camera

Front camera: Y  
Front camera resolution: 1280 x 720 pixels  
Video capturing speed: 30 fps

#### Networking

Bluetooth: Y  
3G: N  
4G: N

Wi-Fi:	Y
Wi-Fi standards:	802.11ac
Ethernet LAN:	Y
Ethernet LAN data rates:	10,100,1000 Mbit/s
Bluetooth version:	4.0

#### Ports & interfaces

USB 2.0 ports quantity:	1
USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2
USB 3.0 (3.1 Gen 1) Type-C ports quantity:	1
HDMI ports quantity:	1
HDMI version:	1.4
DVI port:	N
Ethernet LAN (RJ-45) ports:	1
Headphone outputs:	1
Microphone in:	Y
S/PDIF out port:	N
Docking connector:	N
DC-in jack:	Y
ExpressCard slot:	N
CardBus PCMCIA slot type:	N
SmartCard slot:	N
Mini DisplayPorts quantity:	1

#### Keyboard

Pointing device:	Touchpad
Numeric keypad:	Y
Windows keys:	Y
Keyboard backlit:	Y

#### Software

Operating system installed:	Windows 10 Home
Operating system architecture:	64-bit

#### Processor special features

Intel Wireless Display (WiDi) Technology:	Y
Intel My WiFi Technology:	Y
Intel Smart Response Technology:	Y
Intel Identity Protection Technology:	Y
Intel vPro Technology:	N
Intel Hyper-Threading Technology:	Y
Intel Turbo Boost Technology:	2.0
Intel Small Business Advantage (SBA):	Y
Enhanced Intel SpeedStep Technology:	Y
Intel Iris Pro Graphics:	N
Intel Built-in Visuals Technology:	Y
Intel HD Graphics:	Y
Intel Clear Video HD Technology:	Y
Intel Clear Video Technology:	Y
Intel InTru 3D Technology:	Y
Intel Insider:	Y
Intel Quick Sync Video Technology:	Y
Intel Flex Memory Access:	Y
Intel Smart Cache:	Y
Intel AES New Instructions:	Y
Intel Trusted Execution Technology:	N
Intel VT-x with Extended Page Tables (EPT):	Y
Intel Secure Key:	Y
Intel TSX-NI:	Y
Intel Stable Image Platform Program (SIPP):	N
OS Guard:	Y
Intel Software Guard Extensions (Intel SGX):	Y
Intel 64:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Supported instruction sets:	AVX 2.0,SSE4.1,SSE4.2
CPU configuration (max):	1
Embedded options available:	N

Graphics & IMC lithography: 14 nm  
Intel Virtualization Technology for Directed I/O (VT-d): Y

#### Battery

Battery technology: Lithium-Ion (Li-Ion)  
Number of battery cells: 6

#### Power

AC adapter power: 120 W

#### Security

Cable lock slot: Y  
Cable lock slot type: Kensington

#### Weight & dimensions

Weight: 2300 g  
Width: 383 mm  
Depth: 260 mm  
Height: 27 mm

#### Packaging data

AC adapter included: Y