

MSI Prestige PE70 6QE-454BE (PE70 6QE-454BE)

Intel Core i7-6700HQ (6M Cache, 2.60 GHz), 43.942 cm (17.3 ") 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: 838.53 €

Eco fees: 0.19 €

VAT 21 %: 176.13 €

Product details:

Product code: PE70 6QE-454BE

EAN: 4719072452384

Manufacturer: MSI

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1,014.85 €

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.
- 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.

MSI 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 SHIFT™ Sport™ and SHIFT™ 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.

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.

SOUND by DYNAUDIO

To satisfy consumers desire to experience high quality sound effects, MSI partners with top audio brand Dynaudio. Dynaudio delivers an authentic sound experience by boosting power amplitude 50% more than the previous generation, meaning a volume increase over 10dBA. Any high quality stereo source is transformed into true-to-life, multi-channel sound. No need to purchase extra speakers, wires or speaker stands to appreciate room-filling sound.

AUDIO BOOST

The MSI Audio Boost design enhances the output sound detail and sound stage by 30% more. The gold flash audio jack provides stable sound transmission (reduced obstruction) and works in conjunction with the optimized headsets AMP (Audio Power Amplifier) design, with low noise and low distortion characteristics, to greatly enhance headphone performance and faithfully reproduce each acoustic detail.

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.

Main specifications:

Design

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

Display

Display diagonal:	17.3 "
Display resolution:	1920 x 1080 pixels
Touchscreen:	N
LED backlight:	Y
HD type:	Full HD
3D:	N
Display surface:	Matt
Aspect ratio:	16:9

Processor

Processor frequency:	2.6 GHz
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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:	BGA 1440
Processor cache type:	Smart Cache
Motherboard chipset:	Intel HM170
Processor lithography:	14 nm
Processor operating modes:	64-bit
Stepping:	R0
Bus type:	DMI3
Processor codename:	Skylake
Thermal Design Power (TDP):	45 W
Processor series:	Intel Core i7-6700 Mobile series
FSB Parity:	N
Maximum number of PCI Express lanes:	16
PCI Express slots version:	3.0
PCI Express configurations:	1x16,2x8,1x8+2x4
Configurable TDP-down:	35 W
Tjunction:	100 °C
Conflict Free processor:	Y
ECC supported by processor:	N

Memory

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

Storage

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

Graphics

On-board graphics adapter:	Y
Discrete graphics adapter:	Y
On-board graphics adapter model:	Intel HD Graphics 530
Discrete graphics adapter model:	NVIDIA GeForce GTX 960M
On-board graphics adapter family:	Intel HD Graphics
On-board graphics adapter base frequency:	350 MHz
On-board graphics adapter dynamic frequency:	1050 MHz
Maximum on-board graphics adapter memory:	1.7 GB
Number of displays supported (on-board graphics):	2
Discrete graphics adapter memory:	2 GB
Discrete graphics memory type:	GDDR5
Number of discrete graphics adapters installed:	1
On-board graphics adapter DirectX version:	12
On-board graphics adapter OpenGL version:	4.4
On-board graphics adapter ID:	0x191B
Graphics adapter Open GL support:	Y

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

Optical drive

Optical drive type: DVD Super Multi
LightScribe: N

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: 3
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

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

Software

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

Processor special features

Intel® Wireless Display (Intel® WiDi): Y
Intel® My WiFi Technology (Intel® MWT): Y
Intel® Anti-Theft Technology (Intel® AT): N
Intel® Smart Response Technology: Y
Intel® Identity Protection Technology (Intel® IPT):
Intel® vPro® Technology: N
Intel® Hyper Threading Technology (Intel® HT Technology):
Intel® Turbo Boost Technology: 2.0
Intel® Small Business Advantage (Intel® SBA): Y
Enhanced Intel SpeedStep Technology: Y
Intel® Built-in Visuals Technology: Y
Intel HD Graphics: Y
Intel® Clear Video HD Technology (Intel® CVT HD):
Intel Clear Video Technology: Y
Intel® InTru® 3D Technology: Y
Intel® Insider®:
Intel® Quick Sync Video Technology: Y
Intel Flex Memory Access: Y
Intel® Smart Cache: Y
Intel® AES New Instructions (Intel® AES-NI): Y
Intel Trusted Execution Technology: Y
Intel Enhanced Halt State: Y
Intel VT-x with Extended Page Tables (EPT): Y
Intel Demand Based Switching: N
Intel® Secure Key: Y

Intel TSX-NI:	Y
Intel Stable Image Platform Program (SIPP):	Y
Intel® OS Guard:	Y
Intel Software Guard Extensions (Intel SGX):	1
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID):	Y
Intel 64:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Processor package size:	42 mm
Supported instruction sets:	SSE4.1,SSE4.2,AVX 2.0
Processor code:	SR2FQ
CPU configuration (max):	1
Embedded options available:	N
Graphics & IMC lithography:	14 nm
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel Smart Response Technology version:	1.00
Intel Stable Image Platform Program (SIPP) version:	0.00
Intel Secure Key Technology version:	1.00
Intel Small Business Advantage (SBA) version:	1.00
Intel TSX-NI version:	1.00
Intel Virtualization Technology (VT-x):	Y
Intel Dual Display Capable Technology:	N
Intel FDI Technology:	N
Intel Rapid Storage Technology:	N
Intel Fast Memory Access:	N
Processor ARK ID:	88967

Battery

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

Power

AC adapter power:	120 W
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Security

Cable lock slot:	Y
Cable lock slot type:	Kensington

Weight & dimensions

Weight:	2600 g
Width:	419 mm
Depth:	280 mm
Height:	29 mm

Packaging data

AC adapter included:	Y
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