

# MSI Workstation WS60 6QJ-063BE (WS60 6QJ-063BE)

Intel Core i7-6700HQ (6M Cache, 2.60 GHz), 39.624 cm (15.6 ") UHD (3840x2160) LED, 16GB DDR4, 2 x 128GB SSD + 1TB SATA HDD, Intel HD Graphics 530 + NVIDIA Quadro M2000M 4GB GDDR5, Gigabit Ethernet, WLAN 802.11ac, Bluetooth, FHD WebCam, Windows 10 Pro 64-bit



## Price details:

Price excl. VAT: 2,281.95 €

Eco fees: 0.36 €

VAT 21 %: 479.29 €

## Product details:

Product code: WS60 6QJ-063BE

EAN: 4719072434793

Manufacturer: MSI

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**2,761.60 €**

\* VAT included

## LATEST 6TH GENERATION INTEL CORE I7 PROCESSORS

Using the latest CPU architecture and faster DDR4 memory support the new Intel 6th Generation Core® i7 processors, codenamed Skylake, brings significant improvements to workflow performance, multiple application data processing, and 4K video transcoding delivering superb performance leaps as the next platform for optimal efficiency.

## POWERFUL PERFORMANCE FOR PROFESSIONALSS

The WS60 is now ready with next generation NVIDIA Quadro M Series GPU's, delivering incredible performance gains and breaking 3D benchmark performances across a wide range of applications such as animation, videos, and design.

Utilizing NVIDIA's CUDA processing architecture, render 3D models, video processing and structural designs effortlessly for a streamlined workflow without sacrificing any performance.

## PCI-E GEN3x4 SSD - LOAD GAMES IN SECONDS

Get in the game before everyone else with the latest PCI-E Gen 3.0x4 bandwidth utilizing NVMe technology on single M.2 SSD. Harness the full performance potential of the Gen 3.0 SSD through the optimization of the hardware and software outputting extreme read speeds up to 2200MB/s, 5x faster than SATA3 SSD's.

## DDR4 MEMORY SUPPORT

Get the best possible performance with support of advanced DDR4 memory. With over 32% faster performance than previous generations, DDR4 is the new standard for a streamlined and efficient workflow.

## SUPER PORT - ONE PORT FOR EVERYTHING

Whatever you need, you can get it done with just one Super Port. Transfer massive files faster than ever with up to 800MB/s transfer rates. Get more pixel power supporting dual 4K displays and extend your field of view with daisy chain capabilities. Even charge your phones, tablet and any device faster on-the-go or at home.

## AN EYE OPENING EXPERIENCE WITH TRUE COLOR TECHNOLOGY

See the world for what it is using MSI's exclusive True Color Technology. Precisely calibrated to deliver vibrant colors, stunning details, and sharp images, True Color Technology brings the colors of the world right to your display.

## MADE TO MULTI-TASK

MSI's exclusive Matrix Display allows support of up to 3 external monitors to transform the ultra-Portable WS60 into a

desktop workstation to run all your essential programs at the same time via mDP, HDMI and Super Port (Type-C).

## COOL AND EFFICIENT

The high performance dual fan cooling system was meticulously designed to maximize airflow to keep the notebook at a constant cool state even after long hours of processing and rendering, allowing your system to remain stable and your work flow smooth.

## MAKE YOUR LIFE EASY

Customize every key to suit your needs in one powerful application, the MSI Shortcut Manager. Program individual keys to execute a string of commands, use them to quick launch everyday programs or even customize the keyboard color scheme to streamline work habits and personalize your notebook.

## ISV CERTIFIED MOBILE WORKSTATION

MSI workstations are ISV Certified Systems. Officially recognized by major ISVs in 3D modeling such as AutoDesk and SolidWorks for system compatibility, MSI mobile workstations are guaranteed to provide the best professional experience and optimal performance.

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### Main specifications:

#### Design

Colour of product:	Black
Product type:	Mobile workstation
Form factor:	Clamshell
Intel segment tagging:	Home Office, Small Business

#### Display

Display diagonal:	15.6 "
Display resolution:	3840 x 2160 pixels
Touchscreen:	N
LED backlight:	Y
HD type:	4K Ultra HD
3D:	N
Aspect ratio:	16:9

#### 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:	BGA 1440
Processor cache type:	Smart Cache
Motherboard chipset:	Intel CM236
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:	16 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	32 GB
Memory clock speed:	2133 MHz
Memory form factor:	SO-DIMM
Memory slots:	2x 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
Number of SSDs installed:	2
Solid-state drive capacity:	128 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 Quadro M2000M
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:	4 GB
Discrete graphics memory type:	GDDR5
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:	Nahimic Audio Enhancer
Speakers manufacturer:	Dynaudio
Built-in microphone:	Y

#### Camera

Front camera:	Y
Front camera resolution:	1920 x 1080 pixels
Video capturing speed:	30 fps

#### Optical drive

Optical drive type:	N
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

#### Ports & interfaces

USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2
USB 3.1 (3.1 Gen 2) Type-C ports quantity:	1
HDMI ports quantity:	1
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 Pro  
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): Y  
Intel® vPro® Technology: N  
Intel® Hyper Threading Technology (Intel® HT Technology): Y  
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): 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 (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: 1.00  
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

Number of battery cells: 6

#### Power

AC adapter power: 150 W

#### Security

Cable lock slot: Y

Cable lock slot type: Kensington

#### Weight & dimensions

Weight: 1980 g

Width: 390 mm

Depth: 266 mm

Height: 19.9 mm

#### Packaging content

AC adapter included: Y