



**MSI Gaming GE72 6QC(Apache)-891PL Intel® Core™ i7 i7-6700HQ  
Laptop 43.9 cm (17.3") Full HD 8 GB DDR4-SDRAM 1 TB HDD  
NVIDIA® GeForce® GTX 960M Wi-Fi 5 (802.11ac) Windows 10  
Home Black**

**Brand :** MSI

**Product family:** Gaming

**Product code:** GE72  
6QC-891PL

**Product name :** GE72  
6QC(Apache)-891PL

Intel Core i7-6700HQ (6M Cache, 2.60 GHz), 17.3" 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, Windows 10 Home 64-bit  
MSI Gaming GE72 6QC(Apache)-891PL. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-6700HQ, Processor frequency: 2.6 GHz. Display diagonal: 43.9 cm (17.3"), 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: DVD Super Multi.  
Operating system installed: Windows 10 Home. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	S/PDIF out port	×
Product colour *	Black	Microphone in	✓
Form factor *	Clamshell	Docking connector	×
Market positioning	Gaming	ExpressCard slot	×
Display		CardBus PCMCIA slot type	×
Display diagonal *	43.9 cm (17.3")	SmartCard slot	×
Display resolution *	1920 x 1080 pixels	Performance	
Touchscreen *	×	Chipset	Intel® HM170
HD type	Full HD	Keyboard	
LED backlight	✓	Pointing device	Touchpad
Native aspect ratio	16:9	Numeric keypad *	✓
Display surface	Matt	Keyboard backlit	✓
Dual-screen	×	Windows keys	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system architecture	64-bit
Processor family *	Intel® Core™ i7	Operating system installed *	Windows 10 Home
Processor generation	6th gen Intel® Core™ i7	Processor special features	
Processor *	i7-6700HQ	Intel Wireless Display (WiDi) Technology	✓
Processor number of cores	4	Intel My WiFi 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 Clear Video HD Technology	✓
Processor lithography	14 nm	Intel Clear Video Technology	✓
Processor operating modes	64-bit		
Processor series	Intel Core i7-6700 Mobile series		
Processor codename	Skylake		
Bus type	DMI3		
Stepping	R0		

Processor		Processor special features	
Thermal Design Power (TDP)	45 W	Intel® InTru™ 3D Technology	✓
Configurable TDP-down	35 W	Intel® Insider™	✓
Tjunction	100 °C	Intel® Quick Sync Video Technology	✓
Maximum number of PCI Express lanes	16	Intel Flex Memory Access	✓
PCI Express slots version	3.0	Intel AES New Instructions	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Trusted Execution Technology	✗
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	8 GB	Intel® Secure Key	✓
Internal memory type	DDR4-SDRAM	Intel TSX-NI	✗
Memory clock speed	2133 MHz	Intel Stable Image Platform Program (SIPP)	✗
Memory form factor	SO-DIMM	Intel® OS Guard	✓
Memory slots	2x SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Memory, maximum *	32 GB	Intel Clear Video Technology for MID	✓
Storage		Intel 64	✓
Total storage capacity *	1 TB	Execute Disable Bit	✓
Storage media *	HDD	Idle States	✓
Number of HDDs installed	1	Thermal Monitoring Technologies	✓
Hard drive capacity	1 TB	Processor package size	42 x 28 mm
Optical drive *	DVD Super Multi	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Card reader integrated	✓	Processor code	SR2FQ
Compatible memory cards	SD, SDHC, SDXC	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	NVIDIA® GeForce® GTX 960M	Graphics & IMC lithography	14 nm
Discrete graphics card memory	2 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics memory type	GDDR5	Intel Identity Protection Technology version	1.00
On-board graphics card *	✓	Intel Smart Response Technology version	1.00
Discrete graphics card *	✓	Intel Stable Image Platform Program (SIPP) version	0.00
On-board graphics card model *	Intel® HD Graphics 530	Intel Secure Key Technology version	1.00
On-board graphics card base frequency	350 MHz	Intel Small Business Advantage (SBA) version	1.00
On-board graphics card dynamic frequency (max)	1050 MHz	Intel TSX-NI version	1.00
Maximum on-board graphics card memory	1.7 GB	Intel Virtualization Technology (VT-x)	✓
On-board graphics card DirectX version	12.0	Processor ARK ID	88967
On-board graphics card OpenGL version	4.4	Conflict-Free processor	✓
On-board graphics card ID	0x191B		
Number of discrete graphics cards installed	1		
Audio		Battery	
Speakers manufacturer	Dynaudio	Battery technology	Lithium-Ion (Li-Ion)
Built-in microphone	✓	Number of battery cells	6
Camera		Power	
Front camera	✓	AC adapter power	120 W
Front camera resolution	1280 x 720 pixels	AC adapter frequency	50 - 60 Hz
Video capturing speed	30 fps	DC-in jack	✓
Network		Security	
Wi-Fi	✓	Cable lock slot	✓
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Cable lock slot type	Kensington
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN connection	✓	Width	419.9 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	287.8 mm
Bluetooth	✓	Height (front)	2.98 cm
		Height (rear)	3.2 cm

Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	1	Weight *	2.9 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 included *	✓
Ethernet LAN (RJ-45) ports	1	Manual	✓
Other features			
HDMI ports quantity *	1	LightScribe	✗
HDMI version	1.4	3D compatibility	✗
Mini DisplayPorts quantity	1		
DVI port	✗		
Headphone outputs	1		

## Catalog Object Cloud



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