



MSI Gaming GE62 2QD(Apache Pro)-453US Intel® Core™ i7 i7-5700HQ Laptop 39,6 cm (15.6") Full HD 8 GB DDR3L-SDRAM 1 TB HDD NVIDIA® GeForce® GTX 960M Wi-Fi 5 (802.11ac) Windows 10 Home Black, Red

Brand : MSI

Product family: Gaming

Product code: GE62
2QD-453US

Product name : GE62
2QD(Apache Pro)-453US



Intel Core i7-5700HQ (6M Cache, 2.70 GHz), 15.6" Full HD (1920x1080) LED, 8GB DDR3L, 1TB SATA HDD, DVD Super Multi, Intel HD Graphics 5600 + NVIDIA GeForce GTX 960M 2GB GDDR5, Gigabit Ethernet, WLAN 802.11ac, Bluetooth 4.1, HD Webcam, Windows 10 Home 64-bit
MSI Gaming GE62 2QD(Apache Pro)-453US. Product type: Laptop, Form factor: Clamshell. Processor type: Intel® Core™ i7, Processor: i7-5700HQ, Processor frequency: 2,7 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: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drives: DVD Super Multi. Operating system software: Windows 10 Home. Product colour: Black, Red



Design		Ports & interfaces	
Product type *	Laptop	Microphone in	✓
Product colour *	Black, Red	Line-in	✓
Form factor *	Clamshell	Docking connector	✗
Market positioning	Gaming	ExpressCard slot	✗
Display		CardBus PCMCIA slot type	✗
Display diagonal *	39,6 cm (15.6")	SmartCard slot	✗
Display resolution *	1920 x 1080 pixels	Performance	
Touchscreen *	✗	Chipset	Intel® HM87
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 type *	Intel® Core™ i7	Operating system software *	Windows 10 Home
Processor generation	5th gen Intel® Core™ i7	Processor special features	
Processor *	i7-5700HQ	Intel Wireless Display (WiDi) Technology	✓
Processor number of cores	4	Intel My WiFi Technology	✗
Processor threads	8	Intel Anti-Theft Technology	✗
Processor boost frequency	3,5 GHz	Intel® Smart Response Technology	✓
Processor frequency *	2,7 GHz	Intel Identity Protection Technology	✓
System bus data transfer rate	5 GT/s	Intel Hyper-Threading Technology	✓
Processor cache	6 MB	Intel Turbo Boost Technology	2.0
Processor cache type	L3	Intel® Small Business Advantage (Intel® SBA)	✓
Processor socket	BGA 1364		
Processor lithography	14 nm		
Processor operating modes	32-bit, 64-bit		
Processor series	Intel Core i7-5700 Mobile Series		

Processor		Processor special features	
Processor codename	Broadwell	Enhanced Intel SpeedStep Technology	✓
Bus type	DMI2	Intel Clear Video HD Technology	✓
FSB Parity	✗	Intel Clear Video Technology	✓
Stepping	G0	Intel® InTru™ 3D Technology	✓
Thermal Design Power (TDP)	47 W	Intel® Insider™	✓
Configurable TDP-down	37 W	Intel® Quick Sync Video Technology	✓
Configurable TDP-down frequency	0,6 GHz	Intel Flex Memory Access	✓
Tjunction	105 °C	Intel Smart Cache	✓
Maximum number of PCI Express lanes	16	Intel AES New Instructions	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x16, 2x4, 1x8, 2x8	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	8 GB	Intel® Secure Key	✓
Internal memory type	DDR3L-SDRAM	Intel TSX-NI	✗
Memory speed	1600 MHz	Intel Stable Image Platform Program (SIPP)	✗
Memory form factor	SO-DIMM	Intel® OS Guard	✓
Memory slots	2x SO-DIMM	Intel Clear Video Technology for MID	✓
Maximum memory *	16 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1 TB	Idle States	✓
Storage media *	HDD	Thermal Monitoring Technologies	✓
Number of HDDs installed	1	Processor package size	37.5 x 32 x 1.8 mm
Hard drive capacity	1 TB	Supported instruction sets	SSE4.2, AVX 2.0, SSE4.1
Hard drive interface	SATA	Processor code	SR2BP
Hard drive rotational speed	7200 RPM	CPU configuration (max)	1
Optical drives *	DVD Super Multi	Embedded options available	✗
Card reader integrated	✓	Graphics & IMC lithography	14 nm
Compatible memory cards	SD, SDHC, SDXC	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Identity Protection Technology version	1,00
Discrete graphics card model *	NVIDIA® GeForce® GTX 960M	Intel Smart Response Technology version	1,00
Discrete graphics card memory	2 GB	Intel Stable Image Platform Program (SIPP) version	0,00
Discrete graphics memory type	GDDR5	Intel Secure Key Technology version	1,00
On-board graphics card *	✓	Intel Small Business Advantage (SBA) version	1,00
Discrete graphics card *	✓	Intel TSX-NI version	0,00
On-board graphics card family	Intel® HD Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® HD Graphics 5600	Intel Dual Display Capable Technology	✗
On-board graphics card base frequency	300 MHz	Intel FDI Technology	✓
On-board graphics card dynamic frequency (max)	1050 MHz	Intel Rapid Storage Technology	✗
Maximum on-board graphics card memory	32 GB	Intel Fast Memory Access	✓
On-board graphics card DirectX version	11.2	Processor ARK ID	87716
On-board graphics card OpenGL version	4.3	Conflict-Free processor	✓
On-board graphics card ID	0x1612		
Number of discrete graphics cards installed	1		
Graphics card Open GL support	✓		
Audio		Battery	
Audio system	Sound Blaster Cinema	Battery technology	Lithium-Ion (Li-Ion)
Speakers manufacturer	Dynaudio	Number of battery cells	6
Built-in microphone	✓	Battery capacity *	60 Wh
Camera		Power	
Front camera	✓	AC adapter power	150 W
Front camera resolution	1280 x 720 pixels		

Camera		Power	
Video capturing speed	30 fps	AC adapter frequency	50 - 60 Hz
Network		DC-in jack	✓
		Security	
Wi-Fi	✓	Cable lock slot	✗
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Weight & dimensions	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Width	383 mm
Ethernet LAN connection	✓	Depth	260 mm
Ethernet LAN data rates	10,1000,100 Mbit/s	Height	27 mm
Bluetooth	✓	Weight *	2,4 kg
Bluetooth version	4.1	Packaging content	
Ports & interfaces		AC adapter included *	✓
USB 2.0 ports quantity *	1	Cables included	AC
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Manual	✓
Ethernet LAN (RJ-45) ports	1	Other features	
HDMI ports quantity *	1	LightScribe	✗
HDMI version	1.4b	3D compatibility	✗
Mini DisplayPorts quantity	1	Intel Virtualization Technology	VT-x, VT-d
DVI port	✗		
Headphone outputs	1		
S/PDIF out port	✓		

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.