



**MSI Classic CX62 6QD-047US notebook i5-6300HQ 39.6 cm (15.6")
Intel® Core™ i5 8 GB DDR4-SDRAM 1000 GB HDD NVIDIA®
GeForce® 940MX Wi-Fi 5 (802.11ac) Windows 10 Home Black**

Brand : MSI

Product family: Classic

Product code: CX62
6QD-047US



Product name : CX62
6QD-047US

Intel Core i5-6300HQ 2.3 - 3.2GHz w/ Turbo Boost, 1366x768 (16:9) 15.6" HD Non Glare eDP, GeForce GTX 940MX 2G DDR3, 1TB (5400RPM), 8GB DDR4 2133MHz, DVD Super Multi, SD (XC/HC)
MSI Classic CX62 6QD-047US. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-6300HQ, Processor frequency: 2.3 GHz. Display diagonal: 39.6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1000 GB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 530. Operating system installed: Windows 10 Home. Product colour: Black



Design		Keyboard	
Product type *	Notebook	Pointing device	Touchpad
Product colour *	Black	Numeric keypad *	✓
Form factor *	Clamshell	Windows keys	✓
Display		Software	
Display diagonal *	39.6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Operating system installed *	Windows 10 Home
Touchscreen *	✗	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✓
Processor		Intel® Anti-Theft Technology (Intel® AT)	✗
Processor manufacturer *	Intel	Intel® Smart Response Technology	✓
Processor generation	6th gen Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i5-6300HQ	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor family *	Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor frequency *	2.3 GHz	Intel® Small Business Advantage (Intel® SBA)	✓
Processor boost frequency	3.2 GHz	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Built-in Visuals Technology	✓
System bus rate	8 GT/s	Intel HD Graphics	✓
Processor cores	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache	6 MB	Intel Clear Video Technology	✓
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	✓
Processor socket	BGA 1440	Intel® Insider™	✓
Processor lithography	14 nm	Intel® Quick Sync Video Technology	✓
Processor operating modes	64-bit	Intel Flex Memory Access	✓
Processor series	Intel® Core™ i5-6300 Mobile Series	Intel® Smart Cache	✓
Processor codename	Skylake		
Bus type	DMI3		
FSB Parity	✗		
Stepping	R0		
Motherboard chipset	Intel® HM170		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		

Processor		Processor special features	
Tjunction	100 °C	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel Enhanced Halt State	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✗	Intel Demand Based Switching	✗
Memory		Intel® Secure Key	✓
Internal memory *	8 GB	Intel TSX-NI	✓
Internal memory type	DDR4-SDRAM	Intel Stable Image Platform Program (SIPP)	✗
Memory clock speed	2133 MHz	Intel® OS Guard	✓
Memory form factor	SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Memory slots	2x SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum internal memory *	32 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1000 GB	Idle States	✓
Storage media *	HDD	Thermal Monitoring Technologies	✓
Number of HDDs installed	1	Processor package size	42 x 28 mm
HDD capacity	1000 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
HDD speed	5400 RPM	Processor code	SR2FP
Optical drive type *	DVD Super Multi	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✗
Compatible memory cards	SD, SDHC, SDXC	Graphics & IMC lithography	14 nm
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA® GeForce® 940MX	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 family	Intel® HD Graphics	Intel Secure Key Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 530	Intel Small Business Advantage (SBA) version	1.00
On-board graphics card base frequency	350 MHz	Intel TSX-NI version	1.00
On-board graphics card dynamic frequency (max)	950 MHz	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	1.7 GB	Intel Dual Display Capable Technology	✗
On-board graphics card DirectX version	12.0	Intel FDI Technology	✗
On-board graphics card OpenGL version	4.4	Intel Rapid Storage Technology	✗
On-board graphics card ID	0x191B	Intel Fast Memory Access	✗
Discrete graphics card memory	2 GB	Processor ARK ID	88959
Discrete graphics memory type	GDDR3	Conflict-Free processor	✓
Graphics card Open GL support	✓	Battery	
Audio		Number of battery cells	6
Number of built-in speakers	4	Power	
Speaker power	8 W	AC adapter power	120 W
Built-in microphone	✓	AC adapter frequency	50 - 60 Hz
Camera		Weight & dimensions	
Front camera	✓	Width	383 mm
Front camera resolution	1280 x 720 pixels	Depth	260 mm
Network		Height (front)	2.7 cm
Wi-Fi	✓	Height (rear)	2.9 cm
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Weight *	2.3 kg
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Packaging content	
Ethernet LAN	✓	Manual	✓
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.0		

Ports & interfaces		Other features	
USB 2.0 ports quantity *	1	AC adapter included	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	3D	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1		
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		
HDMI version	1.4		
Mini DisplayPorts quantity	1		
DVI port	✗		
Headphone outputs	1		
Microphone in	✓		

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