



MSI Gaming GL63 8RC-664 laptop Intel® Core™ i5 i5-8300H 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 1 TB HDD NVIDIA® GeForce® GTX 1050 Wi-Fi 5 (802.11ac) Windows 10 Home Black

Brand : MSI

Product family: Gaming

Product code: GL63 8RC-664

Product name : GL63 8RC-664



- Windows 10 Home 64-bit

- Intel Core i5-8300H (8MB Cache, 2.3GHz)

- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce GTX 1050 (2GB GDDR5)

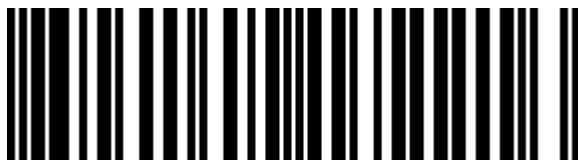
- 8GB DDR4-SDRAM & 1000GB HDD

Intel Core i5-8300H (8MB Cache, 2.3GHz), 8GB DDR4-SDRAM, 1000GB HDD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics 630, NVIDIA GeForce GTX 1050 (2GB GDDR5), LAN, WLAN, Bluetooth, Webcam, Windows 10 Home 64-bit

MSI Gaming GL63 8RC-664. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor: i5-8300H, Processor frequency: 2.3 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: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: HDD. On-board graphics card model: Intel® UHD Graphics 630. Operating system installed: Windows 10 Home. Product colour: Black

Design		Network	
Product type *	Laptop	Antenna type	1x1
Product colour *	Black	Ethernet LAN connection	✓
Form factor *	Clamshell	Ethernet LAN data rates	10,100,1000 Mbit/s
Market positioning	Gaming	Bluetooth	✓
Display		Bluetooth version	5.0
Display diagonal *	39.6 cm (15.6")	Ports & interfaces	
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Touch screen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
HD type	Full HD	Ethernet LAN (RJ-45) ports quantity	1
LED backlight	✓	HDMI ports quantity *	1
Native aspect ratio	16:9	Mini DisplayPort quantity	1
Dual-screen	✗	Headphone outputs	1
Processor		Microphone in	✓
Processor manufacturer *	Intel	Keyboard	
Processor family *	Intel® Core™ i5	Pointing device	Touchpad
Processor generation	8th gen Intel® Core™ i5	Numeric keypad *	✓
Processor *	i5-8300H	Keyboard backlit	✓
Processor number of cores	4	Windows keys	✓
Processor threads	8	Software	
Processor boost frequency	4 GHz	Operating system architecture	64-bit
Processor frequency *	2.3 GHz	Operating system installed *	Windows 10 Home
System bus data transfer rate	8 GT/s	Processor special features	
Processor cache	8 MB	Intel My WiFi Technology	✓
Processor cache type	Smart Cache	Intel Identity Protection Technology	✓
Processor socket	BGA 1440	Intel Hyper-Threading Technology	✓
Processor lithography	14 nm	Intel Turbo Boost Technology	2.0
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor codename	Coffee Lake		
Bus type	DMI		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Configurable TDP-down frequency	1.8 GHz		

Processor		Processor special features	
Tjunction	100 °C	Intel Clear Video HD Technology	✓
Maximum number of PCI Express lanes	16	Intel Clear Video Technology	✓
PCI Express slots version	3.0	Intel® InTru™ 3D Technology	✓
PCI Express configurations	1x16, 1x8+2x4, 2x8	Intel® Quick Sync Video Technology	✓
ECC supported by processor	✗	Intel Flex Memory Access	✓
Memory		Intel AES New Instructions	✓
Internal memory *	8 GB	Intel Trusted Execution Technology	✗
Internal memory type	DDR4-SDRAM	Intel Enhanced Halt State	✓
Memory form factor	SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel® Secure Key	✓
Maximum internal memory *	32 GB	Intel TSX-NI	✗
Storage		Intel Stable Image Platform Program (SIPP)	✗
Total storage capacity *	1 TB	Intel® OS Guard	✓
Storage media *	HDD	Intel Software Guard Extensions (Intel SGX)	✓
Total HDDs capacity	1 TB	Intel Clear Video Technology for MID	✓
Number of hard drives installed	1	Intel 64	✓
Hard drive capacity	1 TB	Execute Disable Bit	✓
Optical drive type *	✗	Idle States	✓
Card reader integrated	✓	Thermal Monitoring Technologies	✓
Compatible memory cards	SD, SDHC, SDXC	Processor package size	42 x 28 mm
Graphics		CPU configuration (max)	1
Discrete graphics card model *	NVIDIA® GeForce® GTX 1050	Embedded options available	✗
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 Stable Image Platform Program (SIPP) version	0.00
Discrete graphics card *	✓	Intel Secure Key Technology version	1.00
On-board graphics card family	Intel® UHD Graphics	Intel TSX-NI version	0.00
On-board graphics card model *	Intel® UHD Graphics 630	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	350 MHz	Processor ARK ID	134876
On-board graphics card dynamic frequency (max)	1000 MHz	Battery	
Maximum on-board graphics card memory	64 GB	Number of battery cells	6
On-board graphics card DirectX version	12.0	Battery capacity *	41 Wh
On-board graphics card OpenGL version	4.5	Energy Management	
On-board graphics card ID	0x3E9B	AC adapter power	135 W
Number of discrete graphics cards installed	1	DC-in jack	✓
CUDA	✓	Security	
Audio		Cable lock slot	✓
Number of built-in speakers	2	Cable lock slot type	Kensington
Speaker power	3 W	Weight & Dimensions	
Built-in microphone	✓	Width	383 mm
Camera		Depth	260 mm
Front camera	✓	Height	29 mm
Front camera signal format	720p	Weight *	2.2 kg
Front camera HD type	HD	Packaging Content	
Video capturing speed	30 fps	AC adapter bundled *	✓
Network		Other features	
Wi-Fi	✓	3D compatibility	✗
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)		
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)		



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