msi

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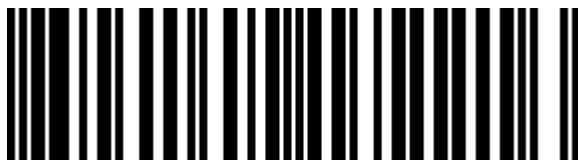- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce GTX 1050 (2GB GDDR5)
- 8GB DDR4-SDRAM & 1000GB HDD
Intel Core i5-8300H (8MB Cache, 2.3GHz), 8GB DDR4-SDRAM, 1000GB HDD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics 630, NVIDIA GeForce GTX 1050 (2GB GDDR5), LAN, WLAN, Bluetooth, Webcam,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

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touch screen *	✗
HD type	Full HD
LED backlight	✔
Native aspect ratio	16:9
Dual-screen	✗

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	8th gen Intel® Core™ i5
Processor *	i5-8300H
Processor number of cores	4
Processor threads	8
Processor boost frequency	4 GHz
Processor frequency *	2.3 GHz
System bus data transfer rate	8 GT/s
Processor cache	8 MB
Processor cache type	Smart Cache
Processor socket	BGA 1440
Processor lithography	14 nm
Processor operating modes	64-bit
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

Network

Antenna type	1x1
Ethernet LAN connection	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.0

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports quantity	1
HDMI ports quantity *	1
Mini DisplayPort quantity	1
Headphone outputs	1
Microphone in	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Windows keys	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 10 Home

Processor special features

Intel My WiFi Technology	✔
Intel Identity Protection Technology	✔
Intel Hyper-Threading Technology	✔
Intel Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔

Processor

Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 1x8+2x4, 2x8
ECC supported by processor	✗

Memory

Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Storage

Total storage capacity *	1 TB
Storage media *	HDD
Total HDDs capacity	1 TB
Number of hard drives installed	1
Hard drive capacity	1 TB
Optical drive type *	✗
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GTX 1050
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR5
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics 630
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1000 MHz
Maximum on-board graphics card memory	64 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.5
On-board graphics card ID	0x3E9B
Number of discrete graphics cards installed	1
CUDA	✔

Audio

Number of built-in speakers	2
Speaker power	3 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera signal format	720p
Front camera HD type	HD
Video capturing speed	30 fps

Network

Wi-Fi	✔
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)

Processor special features

Intel Clear Video HD Technology	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔
Intel AES New Instructions	✔
Intel Trusted Execution Technology	✗
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel TSX-NI	✗
Intel Stable Image Platform Program (SIPP)	✗
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel Clear Video Technology for MID	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	42 x 28 mm
CPU configuration (max)	1
Embedded options available	✗
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Secure Key Technology version	1.00
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	134876

Battery

Number of battery cells	6
Battery capacity *	41 Wh

Energy Management

AC adapter power	135 W
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington

Weight & Dimensions

Width	383 mm
Depth	260 mm
Height	29 mm
Weight *	2.2 kg

Packaging Content

AC adapter bundled *	✔

Other features

3D compatibility	✗

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