



msi[®]



GL63

GAMING LEGEND

**GL63 8RD / GL63 8RC
Datasheet**



GL63

- Features -

|| Performance

HEXA-ORDINARY PERFORMANCE 8TH GEN INTEL® CORE™ i7 PROCESSORS

Take a huge leap in performance with the 1st-ever Hexa Core notebook processors! Experience boosted gameplay and faster rendering by up to 40% with the extra cores. The more the merrier!*



DYNAMIC TEMPERATURE / PERFORMANCE BALANCING

The exclusive MSI "SHIFT" technology pushes system to the extreme while minimizing noise and temperature. Switch between different profiles either push your system to the extreme or in the pursuit of longer battery life. Easily activate it by pressing the FN + F7 hotkey combo, or via the Dragon Center.



* SHIFT can be activated by pressing the FN + F7 hotkey combo, or via the Dragon Gaming Center.

LATEST ARCHITECTURE DDR4-2400 MEMORY SUPPORT

Get the best possible performance out of your notebook with support of the advanced DDR4-2400 memory, achieving over 32GB/s in reading speed and 36GB/s in writing. With over 40% faster performance than previous generations DDR3-1600, DDR4-2400 is the new laptop standard to take your extreme gaming experience to the next level.





GL63

- Features -

|| Performance

COOLER BOOST 5 - REVOLUTIONARY COOLING MODULE FOR ENTHUSIASTIC GAMING

The latest MSI Cooler Boost 5 excels as a dual thermal modules, adopting dual Whirlwind Blade fans with 7 heat pipes and well-endowed 4 airflows in the revolutionary cooling module. It ends up intensively and efficiently driving exhaust heat out of the system, raising the cooling technology to the highest level of its kind. Especially design for GTX 1070 level graphics with greater performance and lower temperature.

Cooler Boost 5

FASTER, SMALLER AND MORE CONVENIENT USB TYPE-C INTERFACE

The SuperSpeed transfer mode supports transferring data up to 5Gbps, around 10X faster than the previous USB 2.0 standard. The USB Type-C port is smaller than the old Type-A port and reversible design makes it more convenient than before. The USB3.0 is backwards compatible with USB 2.0.

USB3.0
TYPE-C

(optional)

* This feature only for GL63 Leopard 8RD.



GL63

- Features -

Visuals

NVIDIA'S LATEST GEFORCE® GTX 1050 TI(8RD) / GTX 1050 (8RC) GPU IS READY TO AMAZE YOU ON MSI GAMING NOTEBOOKS

With the innovative Cooler Boost 5 cooling solution and MSI's exclusive gaming features catered for gamers, the NVIDIA's latest GeForce® GTX 1050 Ti and GTX 1050 GPU releases its full performance completely on MSI gaming laptops.



WIN BY A MILLISECOND FASTER – WORLD'S FIRST 120HZ 3MS GAMING DISPLAY

As the only gaming laptop with 120Hz refresh rate and 3ms response time panel, this is the go-to companion you can count on to never lose a detail during chaotic gameplays. The level of realism is drawn from the panel's ability to produce up to 120 picture frames per second, topped with 94% NTSC Color Gamut calibration to bring you the most vibrant visuals for your ultimate entertainment pleasures.

* This feature may vary by SKU and country.



(optional)

94% NTSC WIDE-VIEW PANEL

The 94% NTSC panel delivers higher color range, presenting smoother color stage image output. Moreover, the wide-view characteristic of this panel allows clear view even from left and right side of the viewing angle.

*This feature may vary by SKU and country.



94% NTSC
Wide Viewing

(optional)



GL63

- Features -

👁 Visuals

MULTI-TASK WITH UP TO 3 MONITORS

Expand the vision for extreme gaming experience. MSI innovative Matrix Display supports up to 2 external displays simultaneously through 1x HDMI port* and 1x Mini DisplayPort 1.2. Multi-task is made possible even during competitive gameplays. Connect the laptop to HDTV display, Matrix Display supports 4K output with a resolution up to 3840 x 2160. MSI Matrix Display technology creates an ideal environment for extreme gaming experience and pleasant multimedia entertainment.

*GT / GE / GP / GL / GF / GV series (with GTX 1060 or above): HDMI 4K@60Hz

*GP / GL / GF / GV Series (with GTX 1050 Ti or below): HDMI 4K@30Hz



Matrix Display



GL63

- Features -

🎵 Audio

5 TIMES BIGGER THAN OTHERS LOUDER SOUND, MORE RESONANCE, AND HIGHER QUALITY

Gamers can feel every engine sound roaring past with the upgraded giant speakers. Exclusive audio module design and independent sound chamber for top-notch auditory sensation.



OUTSTANDING HEADPHONE AUDIO WITH GOLDEN FLASH JACK

The MSI Audio Boost design enhances the output sound detail and sound stage by 30% more. The golden flash audio jack provides stable sound transmission (reduced obstruction) and works in conjunction with the optimized headsets AMP (Audio Power Amplifier) design, with low noise and low distortion characteristics, to greatly enhance headphone performance and faithfully reproduce each acoustic detail.



ALL NEW NAHIMIC 3 - FOR NEXT LEVEL AUDIO IMMERSION

Get ready to be amazed by the all new Nahimic 3 and live the gaming immersion like never before! With simple and intuitive new UI, the Nahimic 3 not only further enhances in game 3D surround sound, but also offers even more finite control over your music, movies, and conference calls.





GL63

- Features -

Control

GAMING KEYBOARD BY STEELSERIES

Every detail is especially calculated and designed for professional gamers, and now it's yours. This keyboard is with pure color backlighting, ergonomically designed with 1.9mm key travel for better responsive and tactile feedback, optimum WASD zone and support of anti-ghosting for up to 45 keys. Mechanical-level Shielding solution makes the gaming notebook keyboard the most solid ever.

Gaming Keyboard by
steelseries

DRAGON CENTER 2.0 – FREE BUFF FOR YOUR RIG

The redesigned Dragon Center 2.0 takes optimization to a whole new level. Now it not only monitors but also optimizes system performance through various customizable profiles, and freeing up system memories to prioritize in-game performance.



SILVER LINING PRINT

See more and do more in the night with high-grade silver lining printed keys. See the full color spectrum on the SteelSeries multicolor keyboard and enjoy longer lasting keys worry free of long-term wear and tear.



TRUE GAMING



GL63

- Features -

↔ Streaming

WTFast – JUST FASTER THAN THE REST

WTFast is the Gamers Private Network. It is like a global automated army of IT specialists all working together to optimize your game connection from end to end. WTFast reports rich connection stats for your online game, so you can see exactly what is happening with your game connection.

- Built just for MMO gamers
- Reduce average ping
- Greatly reduce connection flux, spikes and packet loss
- MSI Exclusive 2-month premium license

*Please register in below website and download the WTFast software, thank you!

<https://gaming.msi.com/promotion/wtfast>

WTFast



msi®

GL63

- Dimension & I/O -



15.6"

2.2kg

Keyboard by Steelseries with pure color backlighting

Covered with Matte Black IMR



Red Line Surrounding the Laptop

Asymmetric Design on the C Side



Large Area of Air Inlets

Symmetrical Muscle Line

Covered with Matte Black IMR



RJ45

miniDP

HP-out/mic-in

USB3.0

USB3.0 Type-C

HDMI

29mm

USB3.0 Type-A



Card Reader

Model Name	GL63 Leopard 8RD / GL63 Leopard 8RC
Processor	Latest 8 th Gen. Intel® Core™ i7 processor
Operating System	Windows 10 Home Windows 10 Pro
Chipset	Intel® HM370
Memory	DDR4-2400, 2 slots, up to 32GB
Display	15.6" Full HD (1920x1080), 120 Hz Refresh Rate and 3ms response time panel (Optional) 15.6" Full HD (1920x1080), IPS level panel (Optional) 15.6" Full HD (1920x1080), 94%NTSC wide-view panel (Optional)
Graphics	Latest GeForce® GTX 1050 Ti 4 GB GDDR5 (8RD) Latest GeForce® GTX 1050 4 / 2 GB GDDR5 (8RC)
Storage	1 x 2.5" HDD + 1 x NVMe M.2 SSD by PCIe Gen3 / SATA-SSD Combo
Optical Drive	-
Keyboard	Gaming Keyboard by Steelseries / Silver Lining Print
Audio	Giant Speakers / Exclusive Audio Boost Technology / Nahimic 3 Audio Enhance
USB 3.1 Gen2 / USB 3.1 Gen1 / USB 2.0	1x USB 3.0 Type-C / 3x USB3.1 Gen1 Type-A / 0
Card Reader	SD(XC/HC)
Video Output	1x Mini DisplayPort 1.2 / 1x HDMI (4K@ 30Hz)
Mic-in/Headphone out	1/1
LAN/WiFi	Gigabit Ethernet / Intel Wireless-AC 9462
Bluetooth	Bluetooth v5
Webcam	HD type (30fps@720p)
Battery	6-Cell
Power Adapter	150W (8RD) / 135W (8RC)
Dimension	383 (W) x 260 (D) x 29 (H) mm
Weight	2.2Kg