



# LIGHT 'EM UP

## GE Raider RGB

GE63 RAIDER RGB 8RF / 8RE Datasheet



## New Features

### 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!\*



### 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.



### 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.





GE63 Raider RGB

## New Features

### SHINING IS JUST THE NEW MUST

The brand new GE Raider RGB comes with cover and keyboard lighting, giving you the finest control over illumination. The two parts can be linked or controlled separately, creating virtually endless combinations in 16.8 million colors.



### 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.



### BLAZING FAST KILLER WIRELESS CONNECTION

Speed up the wireless connection with the new Killer Wireless-AC 1550, and enjoy up to double the speed among the competition.



(optional)



GE63 Raider RGB

## Features

### PER-KEY RGB GAMING KEYBOARD BY STEELSERIES

World's first Per-Key RGB laptop with gaming keyboard by SteelSeries. Shining is just the new must. Through Per-Key illumination of the keyboard, you may receive real time game stats like ammo levels, health levels, tool durability, and take immediate actions, gaining full control of gameplays. Every hardware detail of this keyboard is also calculated and especially designed for professional gamers' needs. The keyboard has ergonomically-designed keys with 1.9mm of key travel for better responsive and tactile feedback, optimum WASD zone and support of anti-ghosting capability for up to 45 keys. Mechanical-level Shielding solution makes the gaming notebook keyboard the most solid ever. All these gaming features are all designed for gamers to gain full command over gaming missions.



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

End-users can feel every engine sound waves roaring past with upgraded giant speakers and world-class Dynaudio sound system. Exclusive audio module design and independent resonance space for top-notch auditory sensation. Oversize 2 speakers + 2 woofers creating a realistic, fulfilling sound and immersive effects. It allows gamers to step into an incredible sound feast with highest satisfaction!



### 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.



(optional)



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## Features

### 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

### Don't embarrass yourself looking for an USB port

MSI exclusive technology helps you find the USB port instantly, especially in the dark.

\*Only available on 7RF/7RE



### ESS Sabre HiFi Audio DAC – 16x Higher Headset Audio Detail than CD

Push the limits of your audio peripherals and hear the difference with the SABRE Audio DAC. It supports 24bit/192KHz sampling rate and drives high quality headset from 16ohm to 600ohm which gives up to highest sound detail, up to 122dB DNR unmatched by PC, Mac or mobile devices DAC. Discover new details that you've been missing or maintain the upper-hand in competitive FPS matches where every bit of sound counts.

\*Available only on certain models of GE73/63 and GS series





**GE63 Raider RGB**

## Features

### STEELSERIES ENGINE 3 (SSE3) – TARGET, POSITION, AIM AND FIRE

During gameplay, SteelSeries Engines 3 serves as your firearm. With SSE3, you get to suit up your weapon with cool look by lightening it up with multiple backlit colors, transform your keyboard into a high technology firearm by setting up several keys into one key command and cloud syncing all SteelSeries gears together.

**steelseries**  
**ENGINE3**

### True Color 2.0 Technology

MSI has partnered with Portrait Displays, Inc. in developing a level of accuracy for display technology that sets a new standard, the MSI True Color 2.0 Technology. MSI True Color 2.0 Technology guarantees that each panel in a MSI notebook comes with the finest precision in color. After examination and an extensive factory calibration process by MSI True Color 2.0 Technology, the panel quality will be more accurate, close to 100% sRGB. Hence, each color is delivered with the highest standard precision in detail, guaranteeing excellent color fidelity for many application uses.



### 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.

\* HDMI 4K@60Hz





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## Features

### LIVE THE COMPLETE AND IMMERSIVE VR EXPERIENCE

Unchain the multichannel audio engine of your VR video game with Nahimic VR. More and more VR video games will be supporting the 7.1 audio surround but unfortunately, they are locked in stereo. Nahimic VR is the world's first audio solution to bring the 7.1 sound into a regular stereo headset. We provide specific audio algorithms that are capable to improve drastically the 3D sound field over HDMI and USB output. The result is a combined VR video and 3D audio for a full and breathtaking VR experience for the gamers. Just turn-on the Nahimic VR button on the Dragon Center audio solution, and prepare to be stunned!



### SILVER LINING PRINT

Dreamed of a keyboard with intense lighting? Experience the SteelSeries silver-lining printing keyboard with intense red, that is also built to last.



### NVIDIA'S LATEST GEFORCE® GTX 1070 (8RF) / GTX 1060 (8RE) GPU IS READY TO AMAZE YOU ON MSI GAMING NOTEBOOKS

With the innovative Cooler Boost cooling solution and MSI's special gaming features catered for gamers, the NVIDIA's latest GeForce® GTX 1070 and GTX 1060 GPU shall be able to release its full performance completely on MSI gaming laptops.





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## Features

### PROTECTING YOUR PING TO A NEW LEVEL WITH THE KILLER E2500 GAMING LAN

In the gaming battlefield, speed defines the winner. Stop losing games to lag with Killer E2500 Gaming Lan. The advanced stream detect 2.0 of the Killer E2500 Gigabit Ethernet chipset protects networking traffic and prevents lag spikes through controlling and managing up to 6 priority levels. You can game without fear and play at your best while tracking your speeds with the easy-to-use Killer Networking Manager. The all-new Killer Control Center interface shows how your network is performing, which applications and websites are monopolizing your bandwidth, and gives you the control to optimize performance by adjusting priorities and setting bandwidth limits so that low priority traffic doesn't interfere with your multimedia applications or favorite websites.



### Killer DoubleShot Pro – Protecting Your Ping

Stop losing games to lag with Killer DoubleShot Pro. Protect and prioritize networking traffic while preventing lag spikes so you can game without fear and play at your best. Select programs you want your network to prioritize to ensure maximum bandwidth and track your speeds with the easy-to-use Killer Networking Manager.



### Killer Shield – Smoother Gameplay

One more protection for smoother uploads and download processes. Less pin rate floating reassures more fluent gameplays.





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## Features

### 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.



### 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

### XSPLIT GAMECASTER VERSION 2.9 – STREAMING YOUR GAMING TALENTS TO THE WORLD

MSI offers 1 year premium license of XSplit Gamecaster for free. Gamers can now get super professional live streams going by blending into the background. Broadcast your gameplay videos live to Twitch, YouTube, UStream and etc. in just 3 steps. You may login easily with your social network accounts and edit gameplay videos directly on this app. It's simple, easy to use and ideal for sharing your gameplay with friends, family or the world - or for capturing those perfect gaming moments, just for the heck of it.





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## GE63 Raider RGB

383 x 260 x 29.5 mm (15.6")

2.49Kg (15.6")

383mm

260mm

15.6



Mystic Light



29.5 mm

Mini DisplayPort    USB 3.1 Gen2 Type-C



RJ45    HDMI    USB 3.1 Gen2    HP-out/mic-in



Card Reader    USB 3.1 Gen1    USB 3.1 Gen1    DC in



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# Specifications

|                                      |   |
|--------------------------------------|---|
| <b>Model Name</b>                    | <b>GE63 Raider RGB 8RF / GE63 Raider RGB 8RE</b>  |
| <b>Processor</b>                     | Latest 8 <sup>th</sup> Gen. Intel® Core™ i7 processor   |
| <b>Operating System</b>              | Windows 10 Home<br>Windows 10 Pro   |
| <b>Chipset</b>                       | Intel® HM370  |
| <b>Memory</b>                        | DDR4-2400, 2 slots, up to 32GB  |
| <b>Display</b>                       | 15.6" Full HD (1920x1080), 120 Hz Refresh Rate and 3ms response time panel (Optional)   |
| <b>Graphics</b>                      | Latest GeForce® GTX 1070 8GB GDDR5 <b>(8RF)</b><br>Latest GeForce® GTX 1060 6GB GDDR5 <b>(8RE)</b>  |
| <b>Storage</b>                       | 1 x 2.5" HDD + up to Super Raid 4 (2 x NVMe M.2 SSDs by PCIe Gen3 in RAID0) (Optional)  |
| <b>Keyboard</b>                      | Per-Key RGB gaming keyboard by SteelSeries/ Silver Lining Print   |
| <b>Audio</b>                         | 5X bigger Upgraded Giant Speakers / Nahimic 3 Audio Enhance<br>ESS SABRE HiFi DAC for lossless, high-quality audio                          |
| <b>USB 3.1 Gen2/USB 3.1 Gen1/2.0</b> | 1x USB 3.1 Gen2 Type-C / 1x USB 3.1 Gen2 Type-A / 2x USB 3.1 Gen1 Type-A / 0  |
| <b>Card Reader</b>                   | SD(XC/HC)   |
| <b>Video Output</b>                  | 1x Mini DisplayPort 1.2 / 1x HDMI (4K@60Hz)   |
| <b>Mic-in/Headphone out</b>          | 1/1   |
| <b>LAN/WiFi</b>                      | Killer DoubleShot Pro with Killer Shield (Optional)<br>Killer E2500 Gigabit Ethernet with Killer Shield / Intel Wireless-AC 9560 (Optional) |
| <b>Bluetooth</b>                     | Bluetooth v5  |
| <b>Webcam</b>                        | HD type (30fps@720p)  |
| <b>Battery</b>                       | 6-Cell  |
| <b>Power Adapter</b>                 | 230W/180W(for GTX 1070/1060)  |
| <b>Dimension</b>                     | 383 (W) x 260 (D) x 29.5 (H) mm   |
| <b>Weight</b>                        | 2.49Kg  |