



# LIGHT & SHINE

FULL PERFORMANCE THIN AND LIGHT GAMING LAPTOP

**GS63 STEALTH 8RF / 8RE / 8RD DATASHEET**



**GS63** *Stealth*

- Features -

## New 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!\*



### 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.

\*This feature only for GS63 Stealth 8RF



(optional)

### 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.





- Features -

## New Performance

### 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.



### 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.



### IMMERSIVE GAMING WITH TOP-NOTCH AUDITORY SENSATION

To satisfy consumers' desire to experience high quality sound effects, MSI partners with top audio brand Dynaudio, which has a devoted aspiration for "Authentic Fidelity" to meet this demanding standard and whose loudspeaker systems are often applied by German cars.

It equips the MSI G-Series notebooks with top-notch audio features, creating a realistic sound and immersive effects. The Dynaudio speakers boost power amplitude 50% more than the previous generation, meaning a volume increase over 10dBA. All high quality stereo source is transformed into true-to-life, multi-channel sound. No need to purchase extra speakers, wires or speaker stands to appreciate room-filling sound.

**DYNAUDIO**



## Performance

### 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.



### COOLER BOOST TRINITY TRIPLE ENHANCED FANS FOR ULTRA SLIM PLATFORM

Heat is the most original element on earth. It's pure physics that more energy will generate more heat. Cooling is therefore a knotty task to tackle with. Cooler Boost Trinity consists of triple enhanced fans, the Whirlwind Blade. Number of blades reaches up to 41, increasing 30% more airflow at same RPM.



Independent thermal solution on both CPU and GPU with a total of 5 heat pipes makes sure that heat doesn't pile up on either CPU or GPU, so that both can deliver its best extreme gaming performance.



**GS63** *Stealth*

- Features -

## Performance

### One Port for Ultra Data Transfer, 4K Pixels and 5V/3A Device Charging

MSI is the first in the world to adopt the Thunderbolt 3 interface on its gaming notebooks. The latest and fastest interface Thunderbolt 3 supports up to 40Gbps data transfer rates and 4K display with daisy chain capabilities. Its USB 3.1 ultra speed interface supports up to 5V and 3A current output for charging.



**THUNDERBOLT™**



**GS63** *Stealth*

- Features -

## Visuals

### **NVIDIA'S LATEST GEFORCE® GTX 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 (8RF ) / GTX 1060 (8RE ) / GTX 1050Ti (8RD ) GPU shall be able to release its full performance completely on MSI gaming laptops.



### **8H DRAGON SHIELD - DRAGON SPIRIT AS STRONG AS DIAMOND**

Pure, passionate, focused, persistent, iron will, these are characteristics of a professional gamer. In honor of these extraordinary people, the new Dragon Shield covered with a layer of Corning Glass is inlaid on MSI gaming notebooks. The new Dragon Shield is 8H on hardness scale and is like clarity for glass, flexibility for plastics and water resistance for rubber. It is a true tribute to the combination of MSI's powerful dragon spirit and MSI product as beautiful and shiny as diamond.



### **EMBRACE THE ENTHUSIAST LEVEL VIRTUAL REALITY EXPERIENCE**

The perfect combination of MSI gaming laptops and Nvidia next gen. graphics (GeForce® GTX 1080 / GTX 1070 / GTX 1060) shall bring you the enthusiast level of VR experience. Certified by both Nvidia and VIVE, MSI is the 1st VR ready gaming laptop brand. We provide an exceptionally smooth, powerful mobile platform for ultimate VR games. Perfect for you to immerse in the amazing artificial world and explore new ways of gaming.

\*This feature only for GS63 Stealth 8RF / 8RE





- Features -

## Visuals

### GET ON THE 4K LCD ROLLERCOASTER CRAZE

The 4K LCD display is able to deliver superbly detailed nature images, outstanding color contrast and spectacular color performance. MSI now presents you a gaming notebook with 4K LCD built-in display. Moreover, it meets 100% Adobe RGB standard. No extra spending is therefore needed to experience the advantages brought by this feature.

#### Resolution up to 3840 X 2160

Four times higher resolution than a FHD TN LCD display, delivering images with more exquisite details

#### 100% Adobe RGB

Brings the image clarity to supreme level with excellent color spectrum, presenting vivid colors, clearer image depth for more stereoscopic pictures

#### Extraordinary Contrast and Brightness

Color performance of the image outputs shall be marvelous with vibrant colors, deep blacks and bright whites.

\* This feature may vary by SKU and country.



(optional)

### 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)



## Visuals

### MULTI-TASK WITH UP TO 3 MONITORS

Expand the vision for extreme gaming experience. MSI innovative Matrix Display supports up to 4 external displays simultaneously (built-in + two external). 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.

\* GS63: 3 external displays through 1x HDMI (4K @ 60Hz), 1x Mini DisplayPort 1.2 and 1x Thunderbolt 3.

\* For Thunderbolt 3, a Type-C to Mini DisplayPort cable is required.

\*This feature only for GS63 Stealth 8RD



### MATRIX DISPLAY

Expand the vision for extreme gaming experience. MSI innovative Matrix Display supports up to 3 external displays simultaneously (three external or built-in + two external). 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.

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\*This feature only for GS63 Stealth 8RF / 8RE



### NEW DEFINITION OF SLIMNESS 19.6MM THIN, WEIGHING MERELY 2.4KG

MSI engineers refine every delicate detail to strike a balance between portability and performance. MSI GS gaming series is surely the ideal choice for gamers who refuse to compromise. One shall not be able to find another gaming notebook in the world that delivers such a powerful performance within a chassis only 19.6mm thin. GS63 Stealth adopts a lightweight chassis using aluminum chassis and the world's lightest gaming notebook, weighing just 2.4kg.







**GS63** *Stealth*

- Features -

## Visuals

### 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.





- Features -

## Audio

### 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.



### 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 game will be supporting the 7.1 audio surround but unfortunately, they are locked in stereo. Nahimic VR is the world 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!





## Control

### 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.



### 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.





**GS63** *Stealth*

- Features -

## Streaming

### 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.

\*This feature only for GS63 Stealth 8RF



### 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 SHIELD – SMOOTHER GAMEPLAY

Killer Shield ensures smoother uploads and download processes. Lower latency and less Jitter optimize gameplay experience. Less pin rate floating reassures more fluent gameplays.





## 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>



### XSPILT 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.





# msi®

# GS63 Stealth

- Dimension & I/O -



15.6"

1.89kg

Effectively increase air flow

Slimmer and smooth design  
GS series diamond cut

More apparent  
muscle lines

Metallic Backside with  
potential for customization



19.6 mm

RJ45    Card Reader    USB3.1    HP-out/mic-in



Thunderbolt™ 3    miniDP  
USB2.0    HDMI    DC in



# msi®

# GS63

# Stealth

## - Specification -

<b>Model Name</b>	<b>GS63 Stealth 8RF / GS63 Stealth 8RE / GS63 Stealth 8RD</b>
<b>Processor</b>	Latest 8 <sup>th</sup> Gen. Intel® Core™ i7 processor
<b>Operating System</b>	Windows 10 Home Windows 10 Pro
<b>Chipset</b>	Intel® HM370
<b>Memory</b>	DDR4-2400, 2 slots, up to 32GB
<b>Display</b>	17.3" Full HD (1920x1080), 120 Hz Refresh Rate and 3ms response time panel (Optional) 17.3" UHD (3840x2160), IPS level panel, 100% Adobe RGB (Optional)
<b>Graphics</b>	Latest GeForce® GTX 1070 MAX-Q 8GB GDDR5 (8RF) Latest GeForce® GTX 1060 6GB GDDR5 (8RE) Latest GeForce® GTX 1050Ti 4GB GDDR5 (8RD)
<b>Storage</b>	1 x 2.5" HDD + 1 x NVMe M.2 SSD by PCIe Gen3 / SATA-SSD Combo
<b>Keyboard</b>	Per-Key RGB gaming keyboard by SteelSeries/ Silver Lining Print
<b>Audio</b>	Sound by Dynaudio / ESS SABRE HiFi audio DAC technology / Nahimic 3 Audio Enhancer
<b>USB 3.1/3.1/2.0</b>	1x USB 3.1 Type-C / 3x USB 3.1 Type-A / 1
<b>Card Reader</b>	SD(XC/HC)
<b>Video Output</b>	1x Thunderbolt 3 Type-C / 1x Mini DisplayPort 1.2 / 1x HDMI (4K@ 60Hz ) (8RF/ 8RE) 1x Thunderbolt 3 Type-C / 1x Mini DisplayPort 1.2 / 1x HDMI (4K@ 30Hz ) (8RD)
<b>ESS SABRE HiFi</b>	Support 24bit/192kHz sampling rate, up to 122dB DNR unmatched by PC, Mac or mobile devices DAC
<b>Mic-in/Headphone out</b>	1/1
<b>LAN/WiFi</b>	Killer DoubleShot Pro with Killer Shield (8RF) Killer E2500 Gigabit Ethernet with Killer Shield / Intel Wireless-AC 9560 (8RE / 8RD)
<b>Bluetooth</b>	Bluetooth v5
<b>Webcam</b>	HD type (30fps@720p)
<b>Battery</b>	3-Cell
<b>Power Adapter</b>	180W (for GTX 1070/1060) / 150W (GTX 1050Ti)
<b>Dimension</b>	380 (W) x 249 (D) x 17.7 (H) mm