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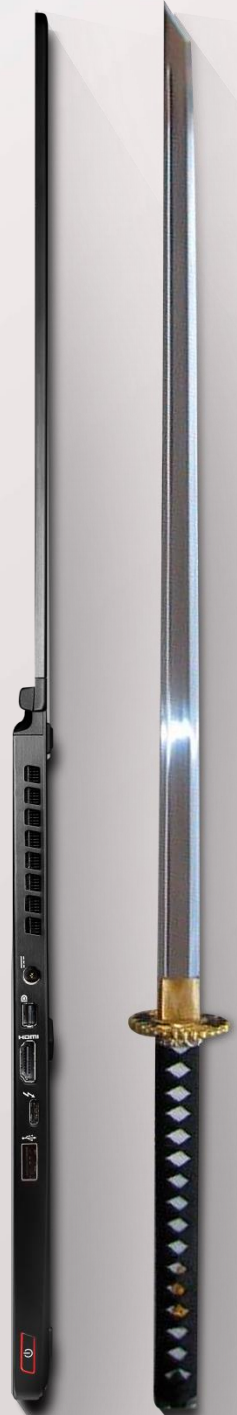
BEST MEETS BEST REACH NEW HEIGHTS

GEARED WITH LATEST
7th GEN. INTEL® CORE™ i7 PROCESSOR &
GEFORCE® GTX 10 SERIES GRAPHICS



THIN STEALTH TECHNOLOGY

GS63VR *Stealth Pro*



GS63VR 7RE STEALTH PRO
GS63VR 7RF/7RG STEALTH PRO DATASHEET

Performance

7th GENERATION INTEL[®] CORE[™] I7 PROCESSORS

The perfect combination of MSI gaming laptops and 7th Generation Intel[®] Core[™] i7 Processors shall bring you up to 10% performance enhancement of smoother VR experience.

The 7th generation Intel Core H series processor utilizes a power-efficient microarchitecture, advanced process technology and silicon optimizations to deliver faster performance than processors of the previous generation. CPU core performance of Core i7-7700HQ is 8% faster than i7-6700HQ under average usage. CPU multimedia performance is enhanced, making it 10% faster than i7-6700HQ. 4K video decoding/transcoding is also improved 15%.

The new media engine of the 7th generation Intel Core H series processor also delivers power-efficient VP9 and HEVC 10-bit hardware acceleration. 4K video playback with HDR visual quality is therefore significantly improved versus previous generation processors.

* This feature may vary by SKU and country.



PCI-E GEN3 X4 SSD – ULTRA SPEED STORAGE

Get in the game before everyone else with the latest PCI-E Gen 3.0 x4 bandwidth utilizing NVMe technology on single M.2 SSD. Harness the full performance potential of the Gen 3.0 SSD through the optimization of the hardware and software outputting extreme read speeds up to 2200MB/s, 5x faster than SATA3 SSD's.

* This specification may vary by model.



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.



Performance

DYNAMIC TEMPERATURE / PERFORMANCE BALANCING

Dynamic Temperature / Performance Balancing

The exclusive MSI "SHIFT" technology pushes system to the extreme while minimizing noise and temperature. Default setting is at Sport mode. Switch between five profiles "Turbo", "Sport", "Comfort", "ECO/Green", and "User" modes to either push your system to the extreme or in the pursuit of longer battery life.

What gamers would love most about this feature is probably the Sport and the Turbo modes.

Sport mode ensures that MSI gaming notebook runs faster than the rest whereas Turbo mode permits pro-gamers to manually adjust the CPU and GPU clock to overclock the system of K series CPU but still keeps down the system temperature and noise level.

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



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 dual 4K displays with daisy chain capabilities. Its USB 3.1 ultra speed interface supports up to 5V and 3A current output for charging.



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.





GS63VR Stealth Pro
- Features -

Visuals

EMBRACE THE ENTHUSIAST LEVEL VIRTUAL REALITY EXPERIENCE (7RG / 7RF)

The perfect combination of MSI gaming laptops and Nvidia next gen. GeForce® GTX 1080 / GTX 1070 / GTX 1060 graphics cards shall bring you the enthusiast level of VR experience.

As the only brand certified by NVIDIA, Intel and VIVE, MSI is the 1st VR ready gaming laptop brand and provides an exceptionally smooth and powerful mobile platform for the ultimate immersive virtual reality experience.

It is highly recommended to enjoy this latest technology and explore the amazing artificial world with MSI extreme gaming notebooks. Get ready before everyone else with World's best VR ready gaming notebooks and to be amazed by the excitement experience from the simulated reality.



NVIDIA's Latest GeForce® GTX 1070 (7RG) / GTX 1060 (7RF) GPU is Ready to Amaze You on MSI Gaming Notebooks

MSI is the world's 1st gaming notebook to have this latest NVIDIA next gen. GPU solution onboard. Performance of NVIDIA's next generation GeForce® GTX 1070 (7RG) / GTX 1060 (7RF) GPU is expected to improve more than 40% than GeForce® GTX 900M Series.



With the innovative Cooler Boost cooling solution and MSI's special gaming features catered for gamers, the NVIDIA's latest GeForce® GTX 10 Series GPU shall be able to release its full performance completely on MSI gaming laptops. By offering "one click to VR" solution and a totally immersive and smooth gaming experiences, the new MSI gaming laptops is going to shatter desktop performance cliché and amaze gamers with refreshing point of views on MSI gaming laptops.



GS63VR Stealth Pro
- Features -

Visuals

NVIDIA's Latest GeForce® GTX 1050 Ti (7RE) GPU is Ready to Amaze You on MSI Gaming Notebooks

MSI is the world's 1st gaming notebook to have this latest generation GeForce® GPU solution. 3D performance of GeForce® GTX 1050 Ti (7RE) GPU is improved more than 15% than GeForce® GTX 965M graphics for better gaming experience.



With the innovative Cooler Boost 4 cooling solution and MSI's special gaming features catered for gamers, the NVIDIA's latest GeForce® GTX 10 Series GPU shall be able to release its full performance completely on MSI gaming laptops. By offering smooth gaming experience, MSI is going to shatter desktop performance cliché and amaze gamers with refreshing point of views on MSI gaming laptops.

4K LCD BUILT-IN DISPLAY WITH GREATER DETAILS

Thanks to the resolution up to 3840 x 2160 pixels, an UHD 4K 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, no extra spending is therefore needed to experience the advantages brought by this feature.



IPS LEVEL, TRUE-TO-LIFE VIEWING EXPERIENCE

IPS level display with higher gamut of 72%NTSC color range takes image clarity to a whole new level with higher pixel resolution. Images are amazingly 40% more sharp and vivid in contrast level and 20% clearer in brightness level compared with those on regular TN panels. Hence, images are more vivid even from left and right side of the viewing angle. When you're playing games, you will have breathtaking and brilliantly true-to-life viewing experience.



* This feature may vary by SKU and country..

Visuals

TRUE COLOR 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 Technology. MSI True Color 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 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.



TRUE COLOR PROFILE

Vision and sound are the most important two factors in this field. You now get to see clearer than your enemies to always get one step ahead of the rest. Besides Gaming Mode, True Color Technology also offers perfect color accuracy for 5 more scenarios. Work or play, you can easily switch to the mode that best suits your eyes. The profile sharing feature permits you to share your True Color settings to other users anywhere.

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.



* GS73VR / GS63VR : 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.



GS63VR Stealth Pro
- Features -

Visuals

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.



NEW DEFINITION OF SLIMNESS GAMING 17.7MM THIN, WEIGHING MERELY 1.9KG

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 17.7mm thin. GS63 Stealth adopts a lightweight chassis using aluminum chassis and the world's lightest gaming notebook, weighing just 1.9kg.



Audio

MSI NOTEBOOKS WITH ESS SABRE HiFi ARE READY FOR HIGH-RESOLUTION AUDIO

High-Resolution Audio refers to a collection of digital processes and formats that allow the encoding and playback of music using up to 6.5x higher sampling rates than the standards used in CDs. The most commonly used specifications of Hi-Res Audio are 24 bit/96 kHz (3.2x more data transmitted than CD) and 24 bit/192 kHz (6.5x more data transmitted than CD).

While offering a sampling rate of 24 bit/192 kHz on GT73 and GS series models, MSI offers also the highest sampling rate standard, 32 bit/384 kHz (17.3x more data transmitted than CD), on its top level GT83 gaming notebook. MSI GT and GS series notebooks with ESS Sabre HiFi DAC are now the 1st in the world to be ready to broadcast any Hi-Res Audio with the highest quality.



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 GT and GS series.



NAHIMIC 2 3D VIRTUAL SURROUND SOUND - "I SEE YOUR SOUND"

Nahimic Technology was first adopted by French army into its fighting aircraft training simulators. Nahimic specializes in 3D virtual surround sound processing and audio improvement. Moreover, Nahimic eliminates background noise, thus, enhances clarity of dialogues during conversations. The special function, Sound Tracker, introduced in Nahimic 2, permits gamers to ""see the direction and distance of the enemy's sound"".





GS63VR Stealth Pro
- Features -

Audio

LIVE THE COMPLETE AND IMMERSIVE VR EXPERIENCE (7RG / 7RF)

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 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!

 **Nahimic VR**



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.



SENSE GAME STATS DIRECTLY THROUGH KEYBOARD

SteelSeries GameSense talks directly to your game and shall grant you the capability in playing games more intuitively. Through backlit colors and LED brightness of the keyboard, users may receive real time game stats like ammo levels, health levels, tool durability, and take immediate actions to respond to these changes, gaining full control during gameplays.

* Please kindly upgrade your SteelSeries Engine 3 software to version 3.4.0 or later and download the Technic Launcher .

* SteelSeries GameSense is only available on multi-color backlighting keyboard.

THE REAL DEAL: A KEYBOARD ALL GAMERS DESIRE FOR

Every hardware detail of this keyboard is 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.



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.



Control

ONE APP, TOTAL CONTROL OF YOUR GAMING SYSTEM

Dragon Center provides six functions to get a total control of your personal computer : easy access to all apps at once (App Portal), real-time system performance monitor (System Monitor) and LED effect control (LED Wizard). Moreover, under System Tuner tab, users may adjust parameters through MSI VR Ready / X Boost / True Color technologies, modify Fans Speed and activate the SHIFT technology to achieve Dynamic Temperature / Performance Balancing or to overclock the system GPU. All of these functions can be done in just one click.

Mobile monitor and adjust your system profile and LED settings are also made possible (Mobile Center). When in need of solving a problem, click on the Tool & Help tab to get consult immediately. Dragon Center empowers users to facilitate tweaking process without occupying system resources.



DRAGON CENTER

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. Killer DoubleShot Pro consists of one Killer E2500 Gigabit Ethernet controller and one Killer Wireless-AC 1535 chipset and improves average latency by 3.5 times compared with those utilizing 802.11ac.



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.





MSI *Stealth Pro*
- Features -

Streaming

XSPPLIT 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.



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>





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GS63VR Stealth Pro - Dimension & I/O -

380mm

249mm

15.6"

1.9kg

Effectively increase air flow

Slimmer and smooth design
GS series diamond cut

More apparent
muscle lines

Metallic Backside with
potential for customization

USB3.0

21.8~22.8 mm

RJ45

Card Reader

HP-out/mic-in

Thunderbolt™ 3

miniDP

Power

USB2.0

HDMI

DC in



msi®

GS63VR Stealth Pro - Specification -

Model Name	GS63 7RE Stealth Pro / GS63VR 7RF Stealth Pro / GS63VR 7RG Stealth Pro
Processor	Latest 7 th Gen. Intel® Core™ i7 processor
Operating System	Windows 10 Home Windows 10 Pro
Chipset	Intel® HM175
Memory	DDR4-2400, 2 slots, up to 32GB
Display	15.6" Full HD (1920x1080), IPS level panel (Optional) 15.6" UHD (3840x2160), IPS level panel (Optional)
Graphics	Latest GeForce® GTX 1050 Ti / 4GB GDDR5 (7RE) Latest GeForce® GTX 1060 / 6GB GDDR5 (7RF) Latest GeForce® GTX 1070 / 8GB GDDR5 (7RG)
Storage	1 x 2.5" HDD + 1 x NVMe M.2 SSD by PCIe Gen3 X4 / SATA-SSD Combo (Optional SSD storage)
Keyboard	Full-color backlighting SteelSeries keyboard / Silver Lining Print
Audio	ESS SABRE HiFi audio DAC technology / Nahimic 2 Audio Enhancer
USB 3.1/3.0/2.0	1x USB 3.1 Type-C / 3 / 1
Card Reader	SD(XC/HC)
Video Output	HDMI (4K@ 60Hz)
ESS SABRE HiFi	Support 24bit/192kHz sampling rate, up to 122dB DNR unmatched by PC, Mac or mobile devices DAC
Mic-in/Headphone out	1/1
LAN/WiFi	Killer DoubleShot Pro with Killer Shield / Killer DoubleShot Pro
Bluetooth	Bluetooth v4.1
Webcam	HD type (30fps@720p)
Battery	3-Cell
Power Adapter	180W
Dimension	380 (W) x 249 (D) x 17.7 (H) mm
Weight	1.9Kg