



**GT75 Titan**

**TOTAL DOMINANCE**

GT75 TITAN 8RG/8RF Datasheet



**GT75 Titan**

## New Features



### HEX-CEPTIONAL POWER UNCAPPED 8TH GEN INTEL® CORE™ i9 OVERCLOCK PROCESSORS

Witness the world's 1st Core i9 processors on gaming laptops. With 6 fully-unlocked cores and the latest exclusive Cooler Boost Titan cooling design, MSI pushes performance to the limit with extreme overclock capabilities.

\*The overclock function may vary by model (only available on K series CPU models) and the overclock frequency may differ depending on the CPU capacity.



### DDR4-2666 MEMORY - HIGHER BANDWIDTH FOR HIGHER WORKLOAD

Get the best possible performance out of your notebook with support of the advanced DDR4-2666 memory. With over 40% faster performance than previous gen DDR3, and up to 10% faster than DDR4-2400, it 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.



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## New Features



### 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.



### Cooler Boost Titan - Dual Fans with 9~11 Heat Pipes for Ultra SLI Graphics 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 Titan consists of dual enhanced fans, the Whirlwind Blade. Each fan has 29 blades, increasing 30% more airflow at same RPM. Independent thermal solution on both CPU and GPU with a total of 9~11 heat pipes make sure that heat doesn't pile up on either CPU or GPU, so that both can deliver its best under extreme gaming with SLI\* graphics platform design.

*\*The SLI function is optional*



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## Features

### **SCI-FI METALLIC DESIGN**

#### **The Ultimate Sci-Fi Inspired Gaming Gear**

Inspired by GT83, the whole new GT75 offers profound improvements in both sight and touch. With the introduction of the new arrow-shaped design for a heightened aggression appeal, the palm rest has also been elevated to have better ergonomics and comfort on the wrists after long periods of gaming. The GT75 is the solution to high level gaming with the level of comfort that every gamer deserves.



#### **Rapid Mechanical RGB Keyboard by SteelSeries – Faster than ever**

We created the world's 1st mechanical keyboard gaming laptop, which fascinated gamers around the world. Now, to continue on the legacy of such sought-after revolution, we present GT75 with the brand new "Rapid Mechanical RGB Keyboard". With only 3m total key travel distance and 1.5mm actuation, this ultimate gaming system with yet another revolutionary keyboard is built for victors.



With SteelSeries Engine 3, we offer "Per-Key RGB Backlight" control with multi modes. Now you have the ability to literally customize every single key to your own liking.

#### **NVIDIA'S LATEST GEFORCE® 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 1080(8RG) / 1070 SLI(8RF) / 1070(8RF) GPU shall be able to release its full performance completely on MSI gaming laptops.

## Features



(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.



### World's 1st Killer Multi GIG – Perfection Gaming Internet Solution

With Killer DoubleShot Pro, you will stop losing games due to lagging. Protect and prioritize networking traffic while preventing lag spikes so you can game without fear and play at your best, and enjoy up to 10Gbps of maximum bandwidth for the very first time. 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 ping rate floating reassures more fluent gameplays.

## Features

### Best Surround Mode On GT Series Gaming Notebooks

Expand the vision for extreme gaming experience. Embrace immersive gaming experience by expanding your gaming real estate across 3 external displays in 4K UHD resolution with the Latest Surround Mode technology.



MSI GT series has innovative design of pure discrete graphics mode. The Matrix Display on GT series therefore supports up to 3 external 4K displays, 4 displays in total simultaneously through one HDMI 2.0 compatible port, one Mini DisplayPort 1.2 and one Thunderbolt 3\* (Type-C port) plus the laptop built-in display. 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 @60Hz.

MSI Matrix Display and Latest Surround Mode technologies create an ideal environment for extreme gaming experience and pleasant multimedia entertainment.

\*A Type-C to Mini DisplayPort cable is required.

### 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.





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## Features



### 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. GT75 supports up to 32bit/384kHz sampling rate, over 15x better than CD, 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 / GS / GE series

## DYNAUDIO

### SOUND by DYNAUDIO

True speakers designed by the world's leading speaker manufacturer Dynaudio are embedded onto MSI GT75 Titan. The true 2.1 sound system delivers an authentic sound experience by boosting power amplitude 50% more than the previous generation, meaning a volume increase over 10dBA.



### 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!

## Features



### 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.



### 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.



### 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





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## Features



### **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.



line-out / line-in / MIC-in / HP-out (SPDIF out)



3x USB 3.1 Gen2

31~56 mm

2x USB 3.1 Gen2



Card reader

Mini-Display HDMI DC in



Killer 10Gb LAN

USB Type-C  
(Thunderbolt 3/USB3.1 Gen2)

TRUE GAMING



# Specifications

Model name	GT75 Titan 8RG / GT75 Titan 8RF
Processor	Latest 8th Gen. Intel® Core™ i9/i7 processor
Operating System	Windows 10 Home / Windows 10 Pro
Chipset	Intel® CM246
Memory Type	DDR4-2666 speed up to 2 slots, up to 32GB DDR4-2400 speed up to 4 slots, up to 64GB
LED Backlight Display	17.3" Full HD (1920x1080), 120 Hz/3ms wide view panel (optional) 17.3" UHD (3840x2160), IPS level panel, 100% Adobe RGB (optional)
Graphics	Latest GeForce® GTX 1070 SLI 8GB + 8GB GDDR5 (8RF) Latest GeForce® GTX 1080 8GB GDDR5X (8RG ) Latest GeForce® GTX 1070 8GB GDDR5 (8RF)
Hard Disk Capacity	1 x 2.5" HDD + up to Super Raid 4 (2 x NVMe M.2 SSDs by PCIe Gen3 in RAID0) (Optional)
Keyboard	Rapid Mechanical RGB Keyboard by SteelSeries / Per-Key Backlight
Audio	2x 3W speaker, 1x 5W Woofer / Nahimic 3 / ESS SABRE HiFi DAC
USB 3.1 Gen2/USB 3.1 Gen1/2.0	1x USB 3.1 Gen2 Type-C(Thunderbolt 3) / 5x USB 3.1 Gen2 Type-A / 0
Card Reader	SD (XC/HC)
Video output	1x Thunderbolt 3 Type-C / HDMI (4K@ 60Hz) / 1x Mini DisplayPort 1.2 (4K 60Hz support)
Mic-in/Headphone out	1 / 1 / 1(line in) / 1(line out)
LAN/WiFi	Killer DoubleShot Pro, 10Gb MultiGiG LAN, Killer AC WiFi with Killer Shield
Bluetooth	Bluetooth v5
Webcam	Full HD type (30fps@1080p)
Battery	8-Cell
Power Adapter	230W x2 (8RF SLI) / 330W (8RG) / 230W (8RF)
Dimension (WxDxH)	428 x 314 x 31~58mm
Weight	4.56Kg (w/ Battery)