



GE75 Raider

9SE_9SF_9SG Sales Kit

***BOUNDLESS VISION
FEARLESS POWER***

NB PM
Mar. 2019
Version 1.0

SOME ARE PC, WE ARE GAMING

TRUE  GAMING





GE75 Raider

**BOUNDLESS VISION
FEARLESS POWER**



How GE75 Is Sophisticated among All The Top Gaming Laptops

GTX 1080

428 x 305 x 25.4mm / 3.2kg

18%

lighter than
Axxrs X7 DT

21%

smaller than
Axxrs X7 DT

Axxrs X7 DT

GE75 Raider

415 x 280 x 37mm / 3.3kg

21%

lighter than
AxxS Rxx GL7x2

32%

smaller than
AxxS Rxx GL7x2

AxxS Rxx GL7x2

GTX 1080

425 x 319 x 51mm / 4.7kg

44%

lighter than
AxxS Rxx G7x3

58%

smaller than
AxxS Rxx G7x3

AxxS Rxx G7x3

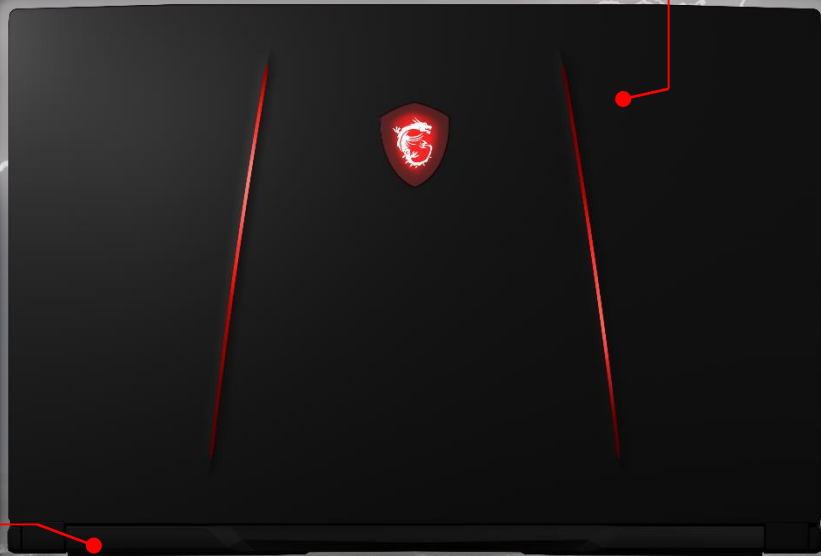
Reveal The Mysterious Power of Dragon Spines

The design is based on the outer covering with two muscular lines and matches the bloody diamond cut ridge, **3D Dragon Spines**, which modeling all the way from the top surface to the four-side air-outlet.

3D dragon spines with red diamond-cutting gives a crucial touch on the classic design.

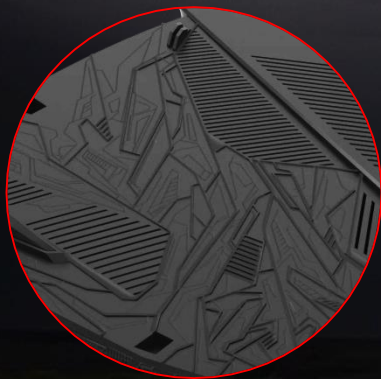
GE75 Raider

The dashing dragon spines stretch to the exhaust vents on the back, which accentuate the powerful thermal dissipation brought by **Cooler Boost 5 (plus)**.

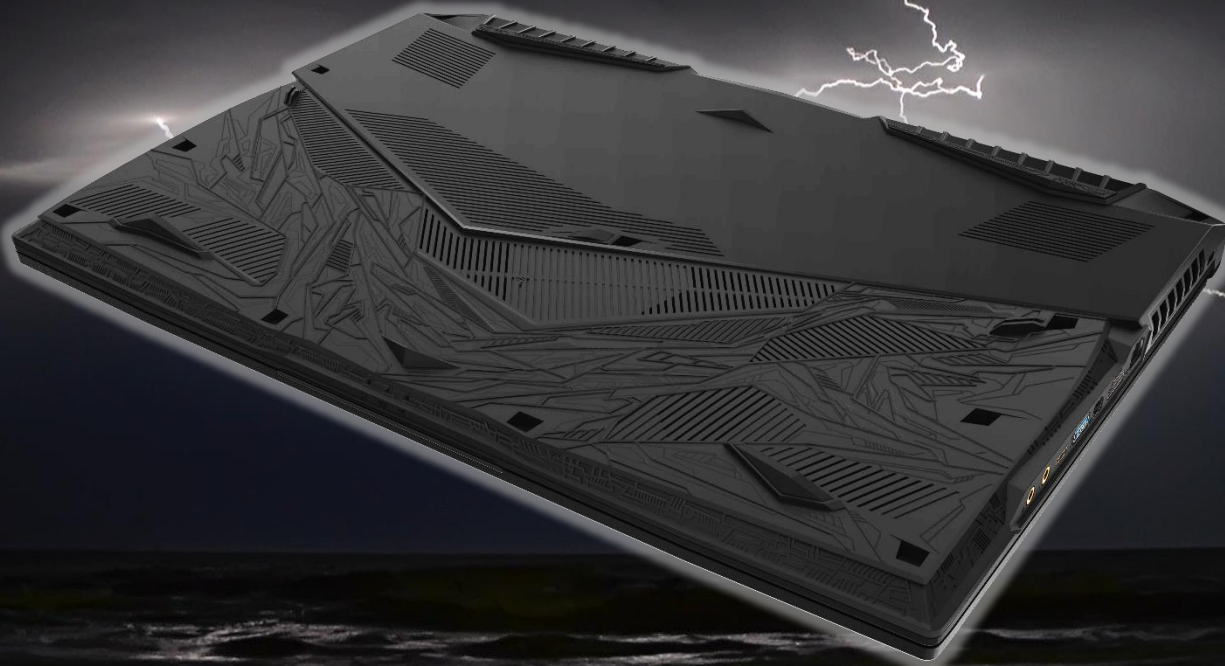


The Spirit of Cosmological Warship on Raider

The aggressive design is extended to the bottom of the laptop to show the spirit of cosmological warship as the asymmetry shape.



Stylish & unique texture on the bottom side



Aggressively Crafted For The Enthusiasts

Inspired by the force and speed of a dragon, the uniquely crafted red diamond cut trim forms the 3D dragon spines. The aerodynamic crest lines extend across the cover, connecting to the rear exhaust vents. The base takes the futuristic concept of space warships, fused with asymmetric pattern on both the surface and the rubber pads.

3D Dragon Spines

Red diamond cut engraving

3-Layer

Laser texturing

12-Process

Metallic forming

30-Step

Surface finish

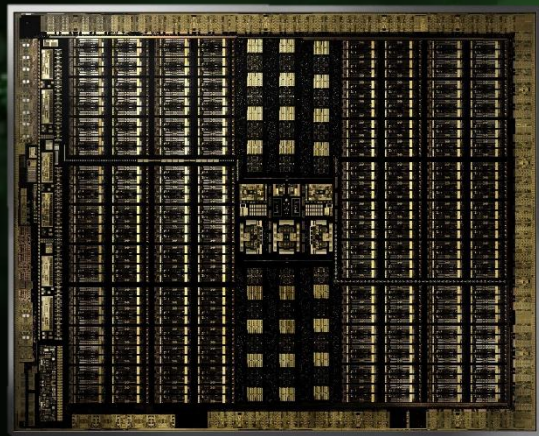




Breakthrough Performance with the New Intel 9th Gen Processor



Note: This is estimated data and only for reference during NPI stage, the actual performance will be updated before MP.



GEFORCE RTX

ULTIMATE GAMING THE ERA OF RTX IS COMING

This revolutionary Turing architecture, combined with the all-new RTX platform, fuses together real-time ray tracing (RT), deep learning super sampling (DLSS), and programmable shading. You've never created and enjoyed games like this before.



TRANSCENDENT GAMING EXPERIENCE EVER

New **Turing** Structure Promotes Performance To The Next Level

GeForce RTX gaming GPUs come loaded with next-generation GDDR6 memory, support for DirectX 12 features, and more. This is a magnificent graphics reinvention which gives gamers unprecedented games details with the smoothest experience.

45%

Higher benchmark
score (Time Spy)

45%+

Higher
FPS experience



TRANSCENDENT GAMING EXPERIENCE EVER

New **Turing** Structure Promotes Performance To The Next Level

3DMARK TIME SPY
BENCHMARK (DX12)

GEFORCE RTX 2080

RTX 2080 145%

GTX 1080 100%

GEFORCE RTX 2070 & 2060

RTX 2070 145%

RTX 2060 104%

GTX 1070 100%

*Performance may vary by system configuration and game settings.





TRANSCENDENT GAMING EXPERIENCE EVER



It's A Great Improvement for **Frame Per Second** Experience



45%+
vs. GTX 1080



RTX 2080

40%+
vs. GTX 1070

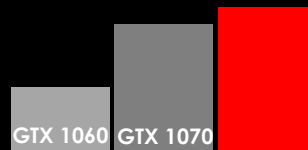
20%+
vs. GTX 1080



RTX 2070

60%+
vs. GTX 1060

up to **10%**
vs. GTX 1070



RTX 2060

Unit: Average In-game frame per second enhancement



NVIDIA GeForce RTX™ 20 SERIES GRAPHICS

NOT ONLY PERFORMANCE
TRANSCENDENT **GAMING EXPERIENCE** EVER

Real-Time
RAY TRACING

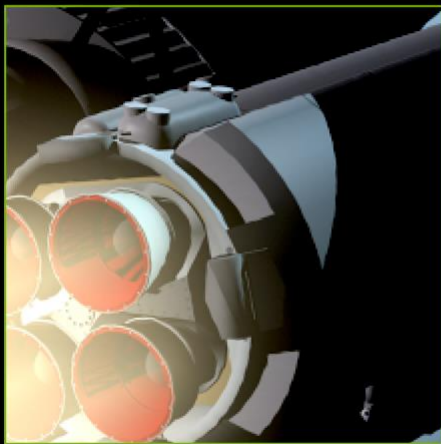
AI Enhanced Graphic
DLSS

REAL-TIME RAY TRACING IN GAMES

Ray tracing is the definitive solution for **lifelike lighting, reflections, and shadows**, offering a level of realism far beyond what's possible using traditional rendering techniques. NVIDIA Turing is the first GPU capable of real-time ray tracing.



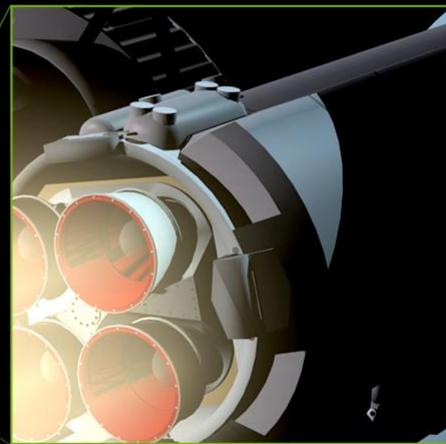
Powerful **AI** Enhanced Graphic, **DLSS**



4K TAA



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4K DLSS

INFILTRATOR TEST

(frame per second @ 4K)

80

60

60

32

40

51

20

25

0

DLSS ON TAA

ON

RTX 2080 vs. GTX 1080

DLSS ON TAA

ON

RTX 2070 vs. GTX 1070

4K TAA

4K DLSS

Key Features Highlights

MSI Gaming DNA

Breakthrough Performance with
Brand New Intel 9th Gen Processor

144Hz High Refresh Rate IPS-level Display
React quicker to whatever is happening on screen

Per-Key RGB KB
16.8M Color Backlight

Cooler Boost 5
Refining cooling system for
top-notch CPU/GPU

NVIDIA's Latest Turing Architecture Graphics
GeForce RTX 20 Series with Ray-tracing

5.7mm Thin Bezel Display
With 82% Screen-to-body Ratio

Killer xTend Networking
WiFi Extender & Powerful Network Prioritization

Giant Speaker Certified by Dynaudio & **Hi-Res**
Top Audio Solution for Speakers & Headset

Dragon Center with Gaming mode & **App Player**
Offer gamers the most complete software solutions

GE75 SPECIFICATIONS



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Processor	9th Gen Intel® Core™ i7-9750H processor/ HM370
Display	17.3" FHD 144HZ IPS-level thin bezel (close to 100% sRGB) 17.3" FHD 60HZ IPS-level thin bezel (close to 100% sRGB)
Graphics	NVIDIA® GeForce RTX™ 2080 (GDDR6/8GB) NVIDIA® GeForce RTX™ 2070 (GDDR6/8GB) NVIDIA® GeForce RTX™ 2060 (GDDR6/6GB)
Memory	DDR4-2666, 2 Slot, Max 64GB
Storage	1x M.2 SSD Combo (NVMe PCIe Gen3 / SATA) 1x M.2 SSD (NVMe PCIe Gen3), 1x 2.5" SATA HDD
Webcam	HD type (30fps@720p)
Keyboard	Per-key RGB Backlit Keyboard
WLAN	802.11ac(2x2) + Bluetooth 5 (Intel 9560/QCA Killer1550i)
Audio	3Wx2 Speakers/ 3Wx2 Woofer, 1x Mic-in, 1x Headphone-out (HiFi / SPDIF)
I/O port	1x Type-C USB3.2 Gen2, 2x Type-A USB3.2 Gen1 1x Type-A USB3.2 Gen2, 1x RJ45, 1x SD (XC/HC), 1x (4K@60Hz) HDMI, 1x Mini-DisplayPort (4K@60Hz)
Battery/Adapter	6-Cell, 65Whr (RTX 2080), 51Whr (RTX 2070/2060) 280W(RTX 2080/2070), 180W(RTX 2060)
Dimension / Weight	397 x 268.5 x 27.5mm , 2.66kg(RTX 2080) / 2.64kg(RTX 2070/2060)





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VISUALS



Webcam is designed on upper side to ensure the complete streaming or web meeting experience.



Thin bezel

5.7mm

Thin bezel

82%

17-inch Thin Bezel Gaming Laptop

Maximize the vision with 5.7mm thin bezel and a 82% screen-to-body ratio. An upper placed camera makes your streaming shot at the best angle.

5.7mm

Thin bezel
design

82%

Screen-to Body
Ratio

15%

smaller than
average 17"
gaming laptops



144Hz Display with 3ms Response Time

144Hz / 3ms IPS-Level Display

The 17.3-inch display features IPS-level wide-view technology, with support for a 144Hz refresh rate/ 3ms response time and thin bezel design. As a result, you get all the attractive things in one display.

144Hz

144Hz

Refresh rate

3ms

Response time

IPS

Level display





TRUE COLOR
TECHNOLOGY



Different Aspects, Same Perfection

The Next-to-perfect Color Presentation

Nothing is perfect, but closing in on perfection is as close as it gets. MSI True Color Technology, spawned a new height for the display technology. Each display undergoes thorough examinations and extensive factory-calibration process, guaranteeing exceptional color fidelity of close to 100% sRGB.

close to
100% sRGB

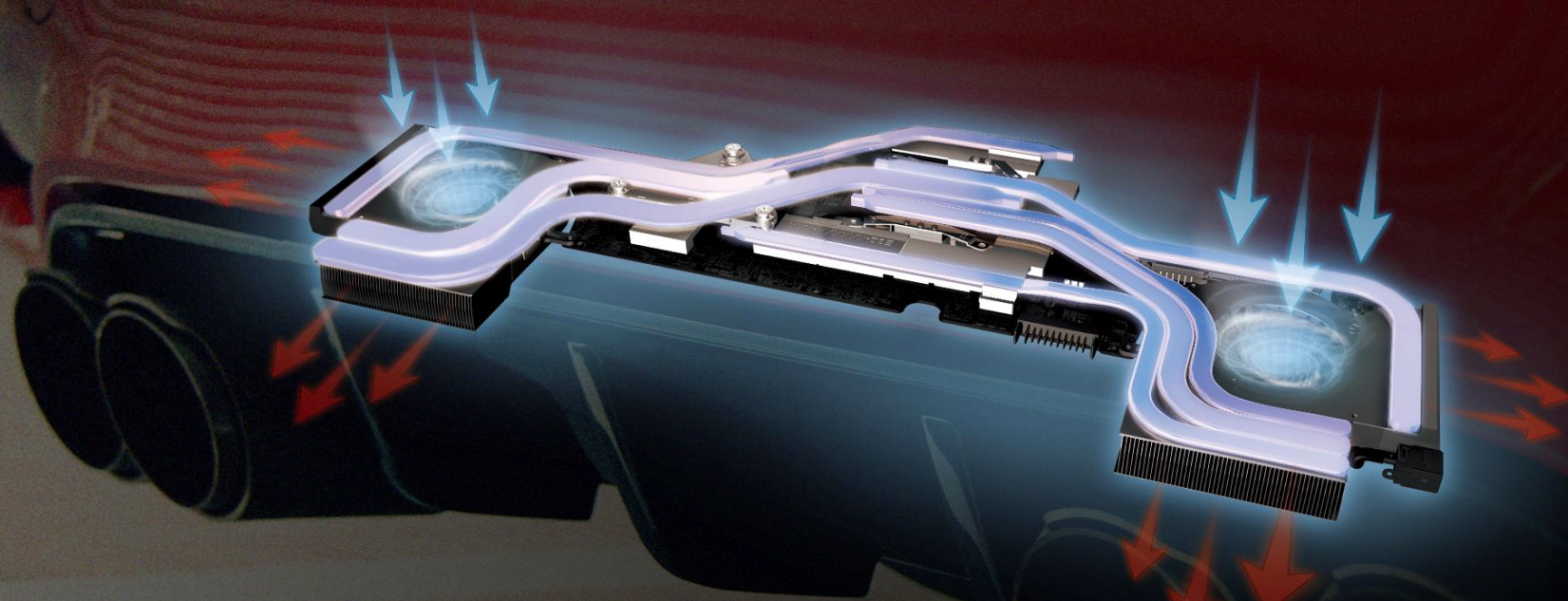
100%
Factory-calibration

6
Color Modes



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PERFORMANCE



REVOLUTIONARY COOLING MODULE FOR ENTHUSIASTIC GAMING

**Cooler
Boost 5**

20%
Better Airflow

8/7
Heat Pipes

4
Exhausts

31
Fan Blades

That's All About Speed.



Newer, Faster, DDR4-2666 Memory Higher Bandwidth for Higher Loading

Technically supports up to **DDR4-2666** which enables faster applications loading and run demanding programs without lag. They shows **11%** enhancement compare to DDR4-2400.



SuperSpeed USB 10Gbps The Fastest USB Ever.

Transfer your favorite games, music and movies over USB faster than ever. MSI offers a wide variety of options to connect your USB 3.2 Gen 2 devices, delivering lightning-fast transfer speeds up to 10Gb/s!

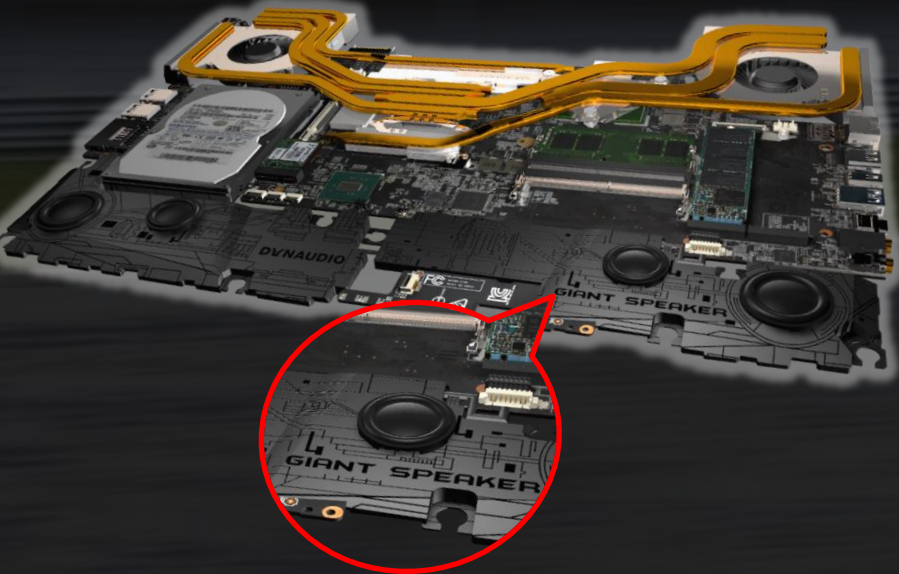




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AUDIO

GIANT SPEAKER



The speakers set oriented design occupied 1/4 of the interior space for world's best sound experience

Realistic Sound & Immersive Effects

40% enhancement to the sound volume, quality and detail, feel every engine sound waves roaring past with upgraded giant speakers and world-class Dynaudio sound system.

2x

3W Speakers

2x

3W Woofers

5x

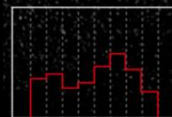
Chamber space



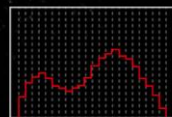
High Resolution Audio Ready - Hear Every Detail

Enjoy your games and music with the world-class Dynaudio sound system.

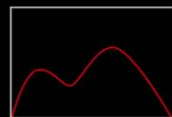
Hi-Res audio is ready for your pro headset, supporting up to 24 bit/192 kHz sample rate.



24KHz / 8bit
MP3 AUDIO



44KHz / 16bit
CD AUDIO



192KHz / 24bit
HI-RES AUDIO

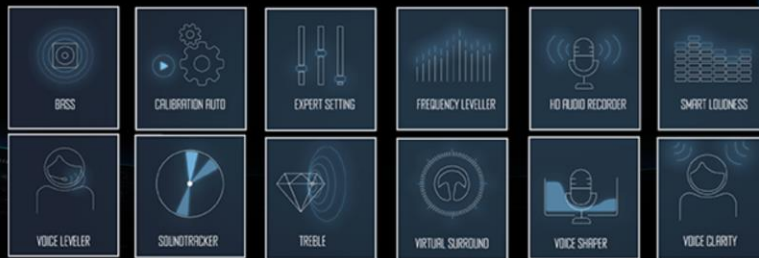
15x

data than CD



All New Nahimic3 - 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.



nahimic
3D Audio for Gamers





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CONTROL

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.

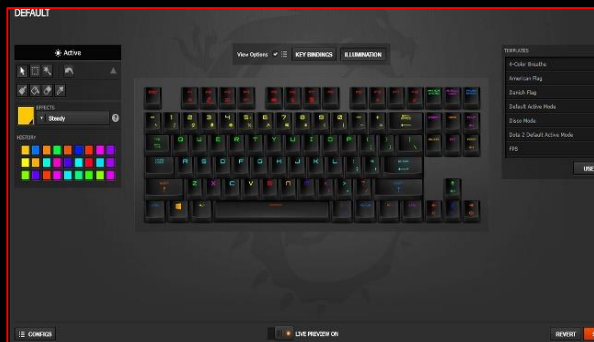
Gaming Keyboard by
steelseries
PER KEY RGB

steelseries
ENGINE 3

steelseries

steelseries **ENGINE3** SERVES AS YOUR FIREARM

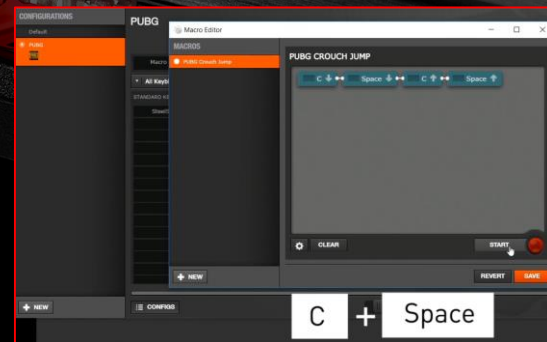
With SSE3, you get to suit up your weapon with a cool look by lightening it up with multiple backlit colors, transform your keyboard into a high technology firearm by setting up several keys into one key command and cloud syncing all SteelSeries gears together.



LIGHTING



GAMESENSE



MACRO KEY

steelseries
ENGINE3

YOUR KEYS, YOUR WAY

One-click to Real time Launch Keyboard RGB Effects

The Raider comes with Per-Key RGB customization giving you ultimate control over keyboard illumination. Just one-click the SSE button, gamers can immediately switch RGB keyboard light effect from different atmosphere modes.



Chakra



Disco



Gold Splash



Drain



Free Way



Roulette



Aqua



Rainbow Split



Play Video

Disco



Chakra



Disco



Gold Splash



Drain



Free Way



Roulette



Aqua



Rainbow Split



Now's the time to fight

NO. 1 IN GA

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AUDIO Visualizer





MSI APP Player

SEAMLESS GAMING EXPERIENCE BETWEEN MOBILE AND PC

MSI GE75 Gets Ready for Game Apps.

Multiple games
at once

Mobile game on
your laptop/PC
via keyboard
and mouse



Play at
full capacity

Game
uninterrupted





MSI APP Player: MSI's Exclusive Weapon

Developed under an exclusive partnership with BlueStacks, the MSI APP Player brings seamless gaming experience between mobile games and PC platform, and leverages customized features as specific keyboard lighting and better graphics with multi-task works.



MSI APP Player





MSI APP Player

MSI APP Player just hit the
milestone that over

250 thousand
gamers

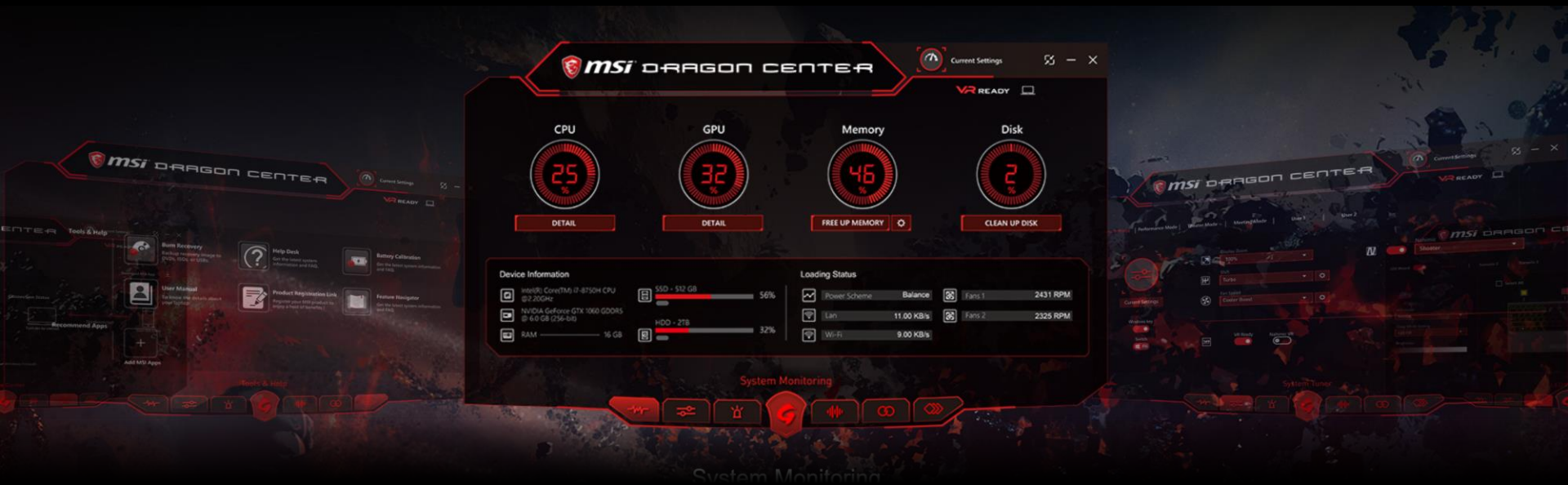
downloaded and played online.



DRAGON CENTER

Dragon Center 2.0 - Free Buff For Your Rig

Monitor and optimize through various customization and freeing system memories to prioritize in-game performance.



Game Fancier & Easier With Exclusive **GAMING MODE**



Gaming Mode

MSI Gaming Mode provides auto-tuning function for the game you are playing with the most suitable visual & audio lighting setting and bringing the best experience!

Installed Games



PUBG

Hotkey Lighting

Game On



Uninstalled Games



Interactive KB lighting
for various gameplay



Free up memory and
prioritize game applications



Launch with auto-tuning for
visual, audio, and lighting



Don't Embarrass Yourself Looking for An USB Port

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



Lighting USB Ports

Which Can Be Controlled by Dragon Center





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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 to always game at your best. Gamers can easily manage bandwidth for each application with the user-friendly Killer Control Center.



Fallout 4

REAL TIME TRAFFIC WILL TAKE THE FASTEST PATH

facebook.

twitch

You Tube

STANDARD WEB TRAFFIC WILL TAKE THE NEXT FASTEST PATH

*Optional. May vary by SKU and country.

802.11ac WiFi wave 2

support MU-MIMO with 160MHz channel

MSI GE75 enables smooth streaming of high resolution videos, few dropped connections, less congestion, and fast speed farther away from the router, enabling **DL MU-MIMO** and **160MHz channel** use. 160MHz channels can deliver the faster Wi-Fi speeds up to 1.73Gbps.

12x
faster than
802.11n

2x
faster than
legacy 802.11ac

1.73 Gbps
WiFi
bandwidth



802.11ac Wave2
(2x2 / 160MHz)

Lower Streaming Latency & Faster Download Speed

1.73Gbps



802.11ac (2x2 / 80MHz)

867Mbps



802.11bgn (1x1 / 40MHz)

150Mbps

Note: To achieve Gigabit wireless speeds the network requires a wireless router/access point that supports 160MHz channels.

MU-MIMO Technology

MU-MIMO allows user access a wireless network at the same time. Previously, when multiple users begin accessing the router at or near the same time, congestion can be introduced as the router services the first user's request while the second (and third, fourth, etc.) wait. With MU-MIMO, it could allow multiple user access the router source simultaneously and without congestion.



Multi-User MIMO



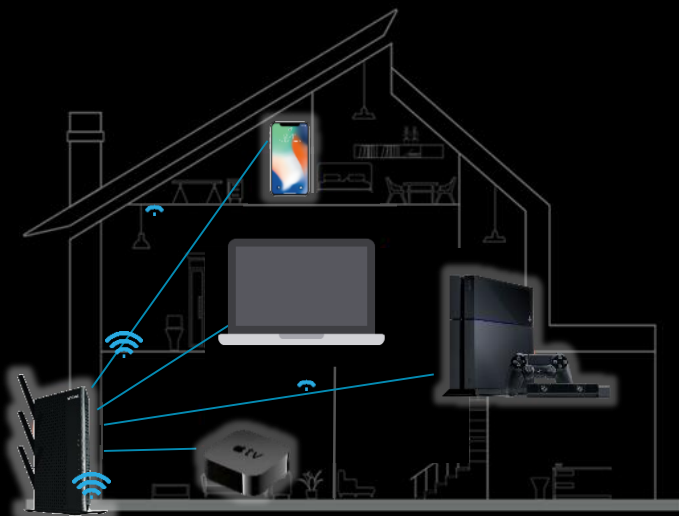
Single-User MIMO





Killer xTend Technology - Turns The Laptop Into Mesh Network Nodes

With Killer xTend you can avoid the expense and complexity of using a network switch and Wi-Fi extender. And create the **Wi-Fi mesh network** to ensure the connected devices **link to the most stable source**. (no need to change the other SSID/password)



Original network coverage (w/o Killer xTend)



Extended network coverage (w/ Killer xTend)



Killer xTend Technology - Turns The Laptop Into Mesh Network Nodes

Killer xTend also keeps your important gaming and video traffic prioritized **above** other network traffic from connected devices. The Killer xTend Enabled laptop is always the 1st priority to ensure the necessary bandwidth and great entertainment experience, especially for the game you're playing.



Note: The other devices are prioritized as the 4th layer (the same as web surfing on xTend Enabled laptop) by the Killer Network Manager.



TRUE **G**AMING

