



**GP63 Leopard**  
**GP73 Leopard**

Sales Kit v1.0  
NB PM  
April, 2018



**SOME ARE PC, WE ARE GAMING**

**TRUE GAMING**



**GT**  
Series



**GE**  
Series



**GS**  
Series



**msi**

## Powerful × Stylish × Mainstream

- Powered by NVIDIA® GeForce® GTX 1060 & GTX 1050Ti graphics and the latest 8th Gen Intel® hexa-core CPUs.
- GP63/GP73 Leopard is the best choice with perfect balance of power and versatility for the majority mainstream gamers from online games even to AAA titles.



**GP**  
Series



**GL**  
Series

**Get Deep in the Game**

# Gaming Laptop for the Majority



GAMING

ENTERTAINMENT

WORK & STUDY



PERFORMANCE

PORTABILITY

PRACTICAL

GP  
Series



☾ | NIGHT

☀ | DAY

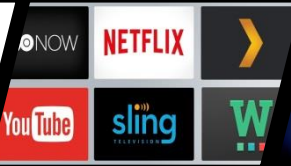
# A Complete Experience



GAMING



Entertainment



Study



Work



# New Platform, New Design



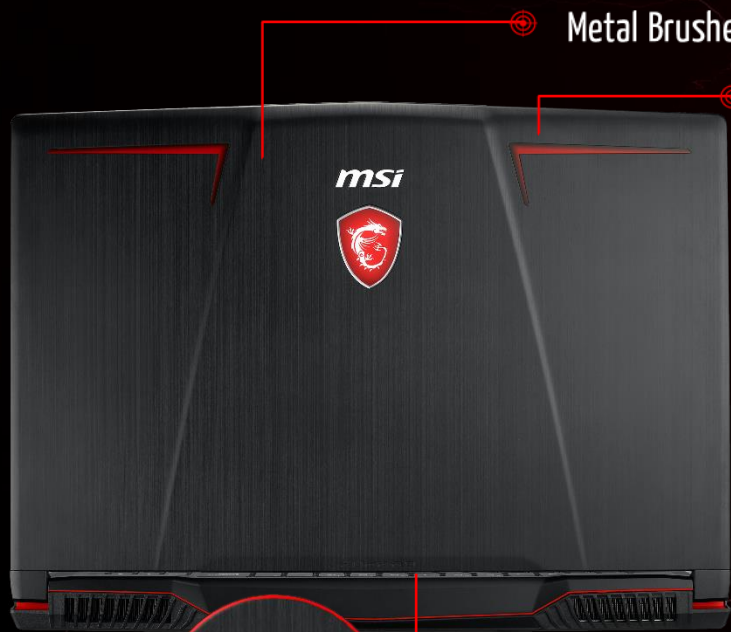
Dragon Image On B-cover.

All Evolution Lower Case

## Sporty Aluminum Design

Still looking good and tough. Show your characteristic and taste with the dynamic hairbrush aluminum alloy chassis.

Every design element, from the chic streamlined A cover, asymmetric C side and the four air vent holes to the athletic rear, underscores the sharp image of this high-performance gaming laptop.



Metal Brushed Aluminum

Red Sports Line



"Leopard" Metal Stamp



Red Line surrounding the Laptop

Covered with Hair-Lined IMR

Asymmetric Design

# What's new from last generation?

**UP**  
GRADE  
GRADE



**USB 3.1**  
GEN2

**Cooler Boost 5**



**Nahimic 3**

**VoiceBoost.**



- Brand New ID
- CPU Transit
- Thermal enhance
- Battery enlarge
- New WLAN
- Speaker
- Sound Effect
- Control SW

KBL GP	CFL GP
Last Gen	New Design
Intel 7 <sup>th</sup> Gen (KBL-H) i7-7700HQ (Quad core)	Intel 8 <sup>th</sup> Gen (CFL-H) i7-8750H (Six core)
Cooler Boost 4 2 Fan + 6 Pipes	Cooler Boost 5 2 Fan + 7 Pipes
6-cell, 41Whr Battery	6-cell, 51Whr Battery
Intel 3168 1x1 AC + BT4.2	Intel 9560 2x2 AC + BT5
4x 2W Speaker	Giant Speaker
Nahimic 2+	Nahimic 3
DC1.0	DC2.0 x Gaming Mode x VoiceBoost



# Key Selling Points : True Gaming DNAs

## PERFORMANCE



Cooler Boost 5

PCI-E Gen.3 SSD

SHIFT

USB 3.1 Gen2

RAM DDR4



## VISUALS

3ms 120Hz

94% NTSC Wide Viewing

Matrix Display

Ultra HD Output 4K 4K VIDEO OUTPUT



## AUDIO

GIANT SPEAKER

Nahimic VoiceBoost

Audio Boost

Nahimic VR

## CONTROL



steelseries RGB

SILVER-LINING PRINT

## STREAMING

KILLER ETHERNET E2400

KILLER SHIELD

fast 5

TRUE GAMING SOME ARE PC, WE ARE GAMING

\*Please note the features may vary by model



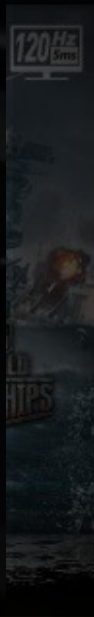
# Product Spec



	<b>631 73 Leopard 8RE</b>	<b>631 73 Leopard 8RD</b>
CPU	Up to 8th Gen. Intel® Core™ i7 processor with 6 core	
*Graphics	GeForce® GTX 1060 with 6GB GDDR5	GeForce® GTX 1050Ti with 4GB GDDR5
*Display	15.6" FHD, Wide-view, 120Hz 3ms (NTSC 94%), 15.6" FHD, Wide-view (NTSC 94%), 15.6 FHD, IPS-level 17.3" FHD, Wide-View, 120Hz 3ms (NTSC 94%), 17.3" FHD (NTSC 72%)	
*Memory	DDR4, 2 Slots, Max 32GB	
*Storage	<u>1x</u> M.2 SSD Combo (PCIe Gen3 / SATA) <u>1x</u> M.2 SSD (PCIe Gen3) <u>1x</u> 2.5" SATA HDD	<u>1x</u> M.2 SSD Combo (PCIe Gen3 / SATA) <u>1x</u> 2.5" SATA HDD
Webcam	HD type (30fps@720p)	
Keyboard	RGB Gaming Keyboard by SteelSeries	
Network	Killer Gb LAN (E2400), 802.11 ac Wi-Fi + Bluetooth 5	
Audio	2x 3W Speaker (Giant Speaker)	
I/O	1x Type-C USB3.1 Gen2 1x Type-A USB3.1 Gen2 2x Type-A USB3.1 Gen1  1x RJ45, 1x SD Reader 1x HDMI (4K@60Hz) 1x Mini-DisplayPort 1x Mic-in, 1x Headphone-out (SPDIF)	1x Type-C USB3.1 Gen1 3x Type-A USB3.1 Gen1  1x RJ45, 1x SD Reader 1x HDMI (4K@30Hz) 1x Mini-DisplayPort 1x Mic-in, 1x Headphone-out (SPDIF)
Battery Adapter	6-Cell, 51 Whr	
	180W	150W
Dimension	15.6": 383 x 260 x 29 mm, 2.2 Kg 17.3": 419 x 287 x 32 mm, 2.7Kg	

\*Please note the spec may vary by configuration

# MSI GAMING FEATURE OVERVIEW

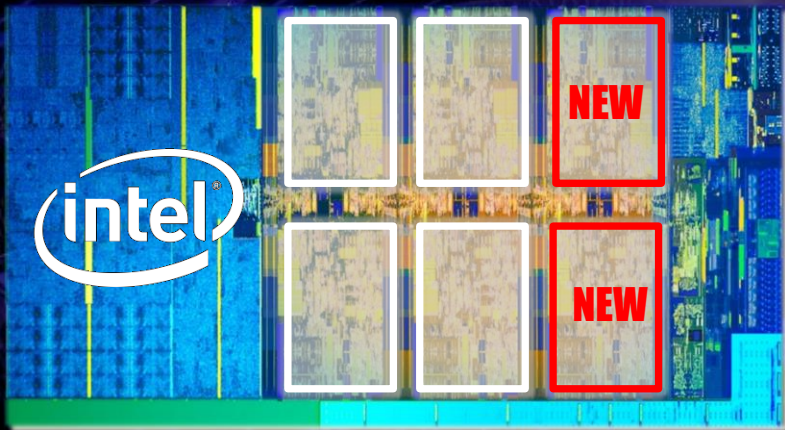


 PERFORMANCE



# Two More Cores. One More Big Step Forward.

With up to 6 cores and 12 threads, Intel 8th Gen. Core processor elevates the highest computing performance ever.



# EXA-ORDINARY PERFORMANCE 8<sup>TH</sup> 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!

Core i7

**3.9GHz**

Up to 3.9GHz  
6-core Intel Core  
i7 processor

8<sup>th</sup> Gen Core i7

7<sup>th</sup> Gen Core i7

**140%**



intel®  
CORE™ i7  
8th Gen

Note: The results are not necessarily representative of other benchmarks and other benchmark results may show greater or lesser impact from mitigations.

# That's All About Speed.



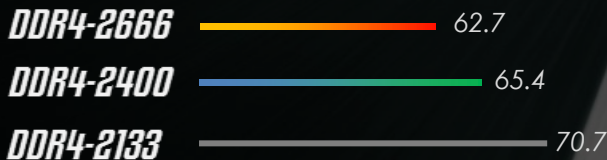
## DDR4-2400/2666

### Higher Bandwidth for Higher Loading

Technically supports up to **DDR4-2400/2666** which enables faster applications loading and run demanding programs without lag. They shows **7~11%** enhancement compare to DDR4-2133.



### Memory Latency: Lower is better.



\* DDR4-2666 is optional SKU and the memory speed depends on actual configurations.

## USB 3.1 Gen 2

### 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 3.1 devices, delivering lightning-fast transfer speeds up to 10Gb/s!



\* This is only on GYX1060 SKU.

# One More Thing You Should Not Miss

## Intel Core i+ with Optane Memory

An intuitive performance-based platform sell-up framework for select Intel Core processors paired with Intel Optane memory technology. It provides higher performance without compromising storage capacity.

7.5x

Faster

HDD Seq. Read

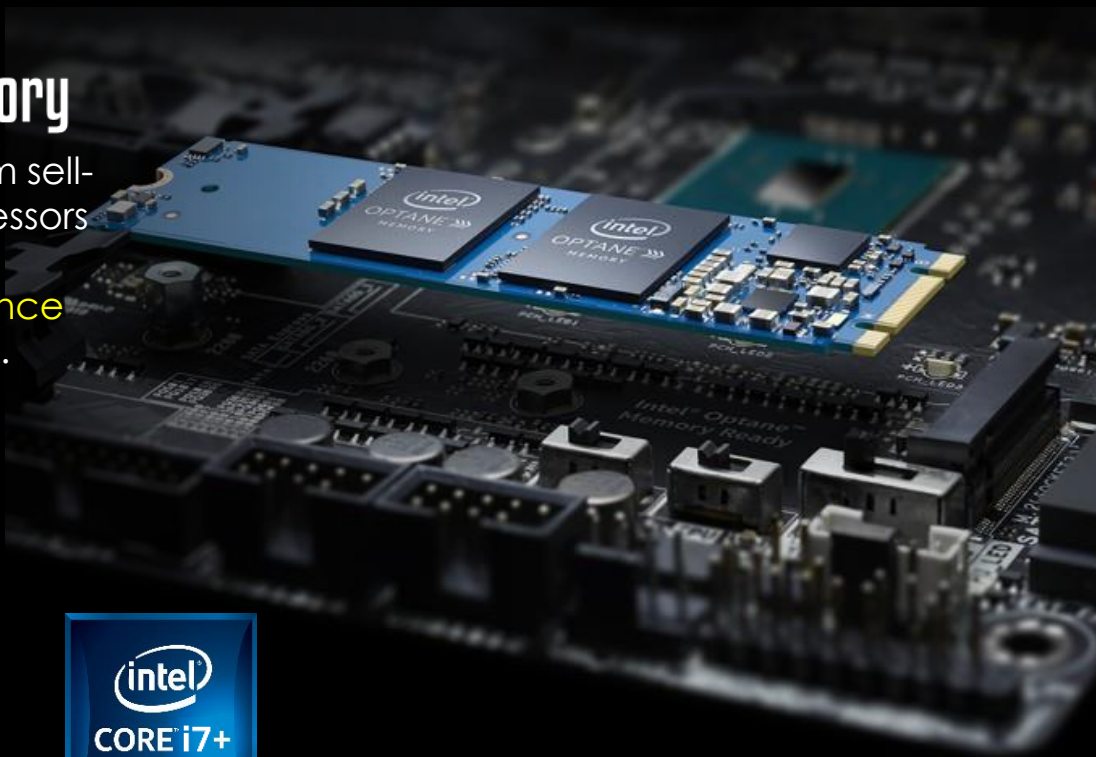
145%

Faster

HDD Seq. Write



Condition: Optane memory is used for speeding up 7200rpm HDD (System drive).





# Revolutionary Cooling Module For Enthusiastic Gaming

**Cooler  
Boost 5**

Note: The picture may not necessarily represent the actual thermal module

**2**

Fans

**7**

Heat Pipes

**4**

Exhausts

**31**

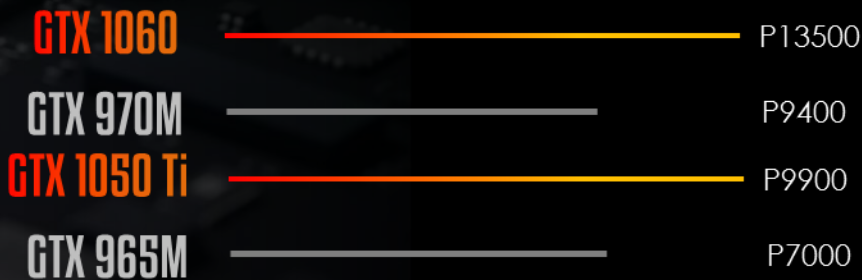
Fan blades



# 3DMARK<sup>®</sup>

## P13500<sup>+</sup> better than GTX 970M by 30%

Comes with the most advanced NVIDIA Pascal graphics GTX 1060, offering the fastest and smooth gaming experience. Of course, it's more than enough for any VR games.





# MSI GAMING FEATURE OVERVIEW



**VISUALS**





# 120hz/3ms High Response Time Display

## WIN BY A MILLISECOND FASTER

As the only gaming laptop with Full HD Panel at 120Hz refresh rate and 3ms response time, this is the go-to companion you can count on to never lose a detail during chaotic gameplays.



**120Hz/3ms**

*Gaming Display*

**60Hz**

*Traditional Display*



\* This is optional SKU and depends on the actual configurations.



# Full Visual Experience, Not Just Refresh & Response.

## 94% NTSC HIGH COLOR GAMUT

The 120Hz panel makes your viewing experience vividly alive. Its brilliant NTSC 94% color gamut offers true-to-life gaming enjoyment.



## 170° WIDE VIEW ANGLE

Not only delivers higher color coverage, but features a wider 170-degree horizontal viewing angle from left to right.



\*Panel spec may vary depends on local selling spec.

# Expand The Vision For Extreme Gaming Experience



## MATRIX DISPLAY (2+1)

MSI innovative Matrix Display supports up to 2 + 1 external displays simultaneously (two external + built-in). 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.



Matrix Display

# MSI GAMING FEATURE OVERVIEW



🎵 **AUDIO**



# GIANT SPEAKER



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

2x

Speakers

5x

Chamber space

## REALISTIC SOUND & IMMERSIVE EFFECTS

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



msi

# Surround sound Highly Immersive 7.1

Feels like the sound is coming from all around you. No matter the quality and type of your audio device, Nahimic will always provide you the best immersive audio experience.



## Nahimic 3

Audio control interface for Nahimic 3. The interface is dark-themed with blue accents. At the top, it shows 'All Effects On' and 'AUDIO'. Below this are four main categories: MUSIC, GAMING, MOVIE, and COMMUNICATION. The 'GAMING' category is selected and highlighted with a blue bar. Under 'GAMING', there is a 'Play Test' button with '40s' and a 'Reset' button. The main control area is divided into several sections:

- SURROUND SOUND:** Includes a description: 'Make the sound comes from all around you for a better immersion. No matter the quality of your audio device, our technology is made to provide you the best immersive audio experience.' It features a circular icon with a head and glowing nodes, and a power button.
- VOLUME STABILISER:** Includes a description: 'Volume is never too inaudible or too loud. Quiet mode won't disturb persons around you.' It features a waveform icon, a 'QUIET OFF' button, and a power button.
- BASS:** Shows a volume level of 0 dB and a power button. Below the slider, it says 'Make them louder or heavier'.
- VOICES:** Shows a volume level of 2.3 dB and a power button. Below the slider, it says 'Make them present or faraway'.
- TREBLE:** Shows a volume level of 0 dB and a power button. Below the slider, it says 'Make them clearer or fatter'.





Speakers  
Mute

Effects ON

# AUDIO

MUSIC

GAMING

MOVIE

COMMUNICATION



Try

Reset



## SURROUND SOUND



Make the sound come from all around you for a better immersion. No matter the quality of your audio device, our technology is made to provide you the best immersive audio experience.

## VOLUME STABILIZER



QUIET OFF

Volume is never inaudible or too loud. Quiet mode won't disturb people around you.

## VOICES



12 DB



Make them faraway or present (dialogs, choirs, chat, etc.)

## BASS



12 DB



Make them punchy or lighter (explosions, engines, beats, bass guitars, etc.)

## TREBLE



12 DB



Make them faded or clearer (footsteps, whistles, cymbals, etc.)

## SIMPLIFIED CONTROL PANEL

Keeping The Important & Useful Effects on The Interface.

Music Gaming Movie Communication

Nahimic 3



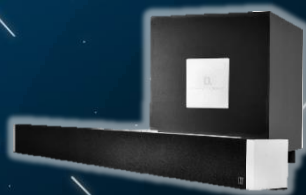


## *Wider COMPATIBILITY with Various Interfaces*

Don't limit yourself play the sound in any audio devices



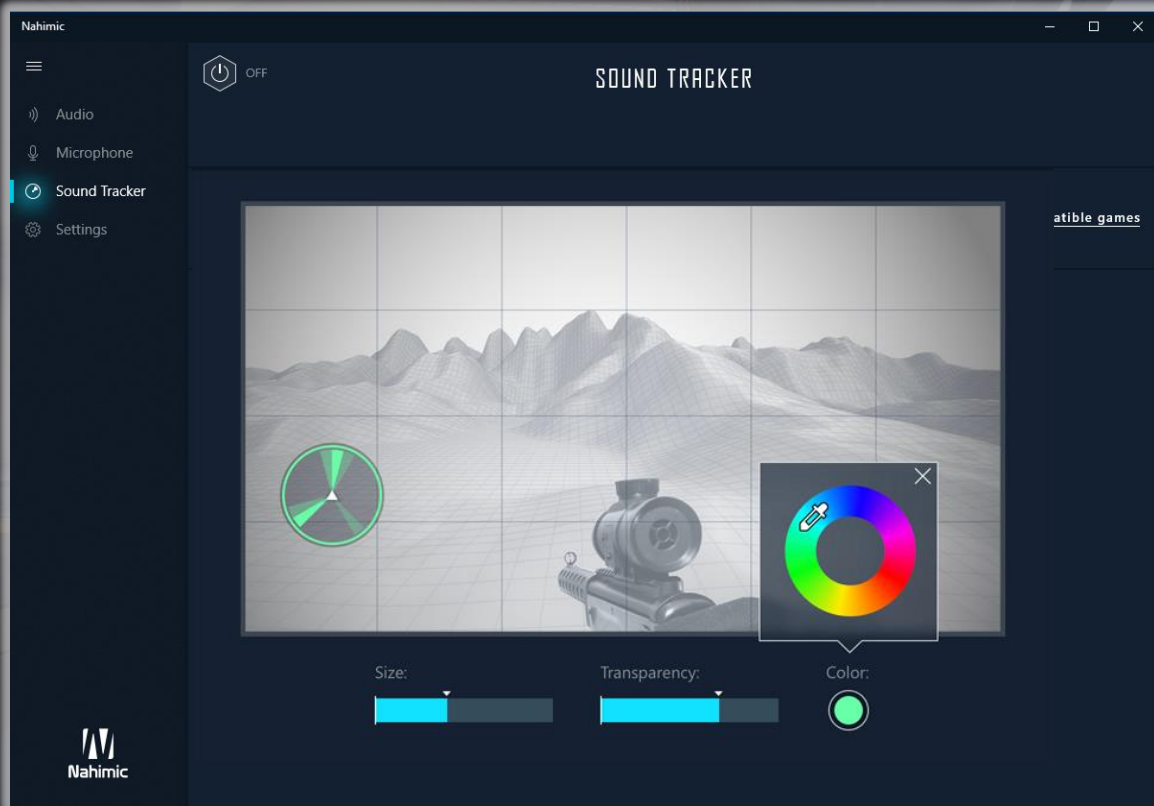
 *USB Headset*



 *HDMI Device*

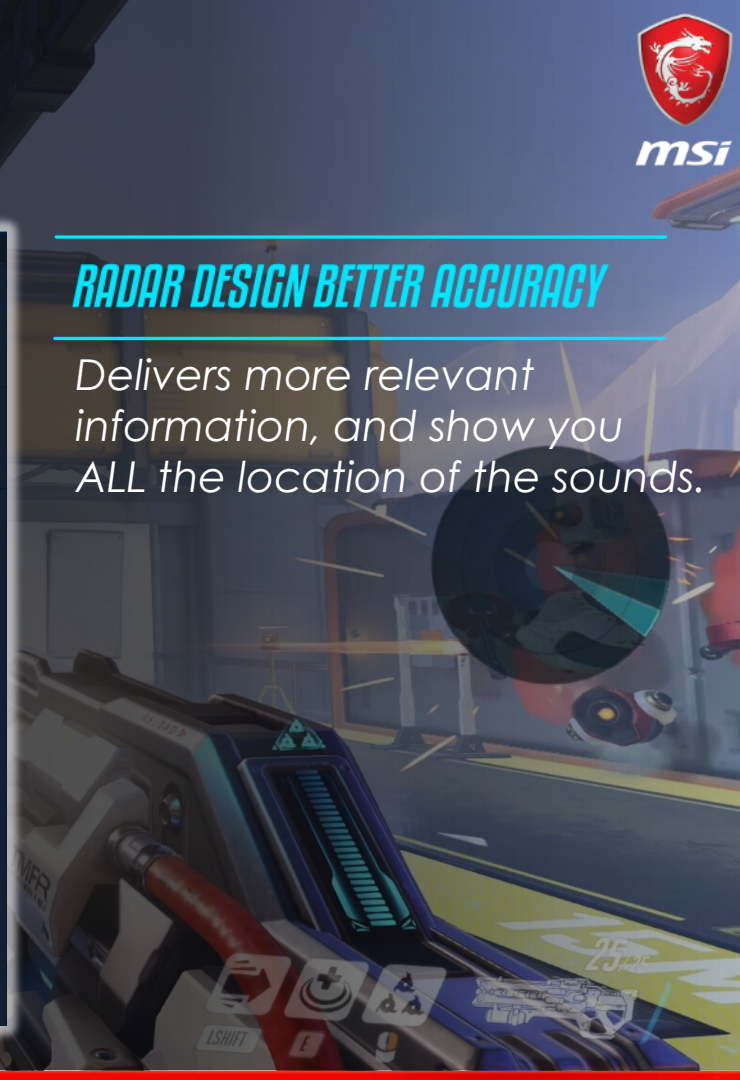


 *BT Headset/  
Earphone*



## *RADAR DESIGN BETTER ACCURACY*

*Delivers more relevant information, and show you ALL the location of the sounds.*



# MSI GAMING FEATURE OVERVIEW



**CONTROL**





# Dragon Center 2.0

## Now with More to Love.

**msi DRAGON CENTER** Current Mode VR READY GT 70 2PE

**CPU** **60%** [Detail](#)

**GPU** **60%** [Detail](#)

**Memory** **60%** [FREE UP MEMORY](#) Free up: 2.45GB

**Disk** **60%** [CLEAN UP DISK](#)

**Device Information**

Intel(R) Core(TM) i7-6820HK CPU @2.70GHz	SSD <span>▲ 0 GB available</span> 50%
NVIDIA GeForce GTX 1070 GDDRS @ 8.0 GB (256-bit)	HDD 200 GB available 50%
RAM 200 GB available	

**Loading Status**

Power Scheme <b>Balance</b>	Fans 1 <b>1000 RPM</b>
Lan <b>1200 KB/s</b>	Fans 2 <b>1000 RPM</b>
Wi-Fi <b>1200 KB/s</b>	Fans 3 <b>1000 RPM</b>

**System Monitoring**

# System Monitoring: What's New?

## 1. BRAND NEW GUI STYLE

The redesigned high-tech style lets system information to be clear at a glance.

## 2. TRANSPARENT DESIGN LANGUAGE

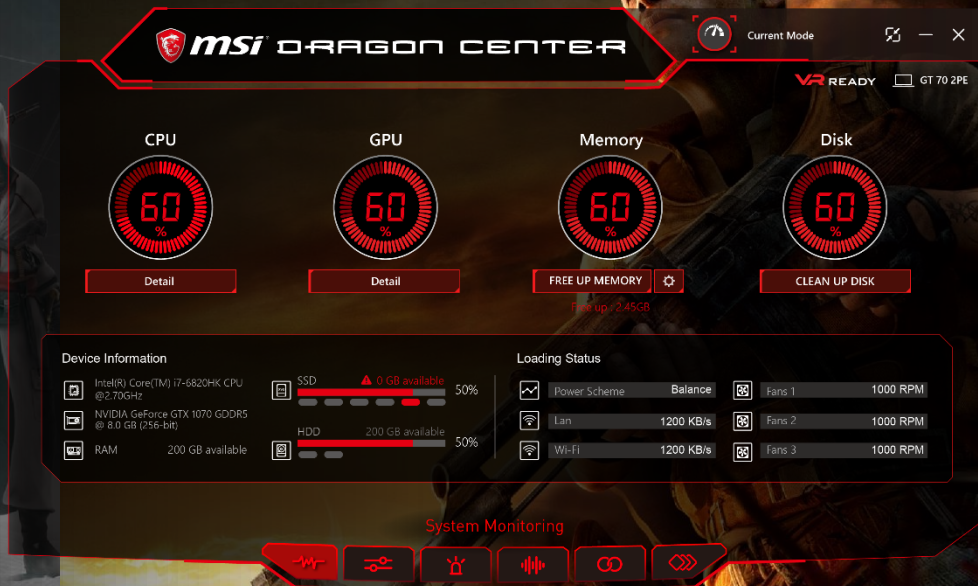
The new transparent interface, fit for any wallpaper.

## 3. ONE-CLICK FREE UP MEMORY

Keeps your system at the highest performance and responsiveness when you needed.

## 4. DEVICE INFORMATION

Displays the device information for specs and storage space.





# System Tuner: What's New?

## 1. NEW LAYOUT TO BE MORE CLEAR

Dragon Center 2.0 provides a simpler way to fine-tune the system. By folding the settings to pull-down menus, making the layout cleaner than ever.

## 2. PROFILE RECOMMENDATION BY MSI

Not only give profiles for users to customize the system environment, but now we also provide default settings to meet various users scenarios.





# Gaming Mode

## Get The Gameplay Fancier & Easier.

Gaming Mode provides gamers the fastest way to be the elites in lots of bomb game titles.

WINNER  
WINNER  
  
CHICKEN  
DINNER

5~7% more fps in **PUBG**

After Gaming Mode Optimization




# New Dragon Center 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
<input type="button" value="Game On"/>	



### Uninstalled Games



League of Legends

Overwatch

Free up memory and  
prioritize game applications

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



# VoiceBoost.

Don't Be Loud,  
I Can Hear You Clearly.



GAME

VOIP



GAME



MIC



**msi DRAGON CENTER** Current Settings

VR READY GS65 Stealth Thin BR7

VoiceBoost

VOIP List

Select your VOIP software

Skype

⚠ Please turn on your software first

Skype

VOIP Setting

Volume Ratio

60% Game 40% VOIP

VoiceBoost



msi



DISCORD

teamspeak

COMMUNICATION SYSTEM



# MSI GAMING FEATURE OVERVIEW



**STREAMING**





msi

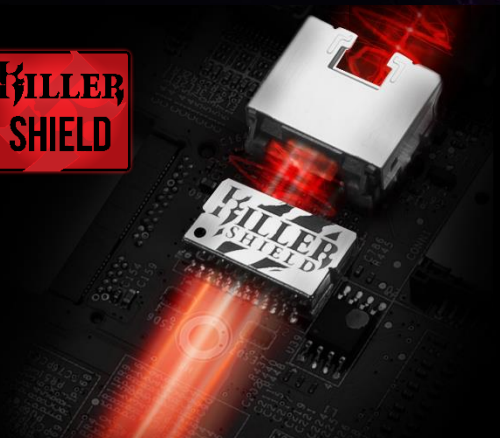


## KILLER GAMING LAN

### THE OPTIMIZED GAMING CONNECTION



Stop losing games to lag with Killer Gaming Lan. The advanced stream detect 2.0 of the upgraded Killer E2400 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.



Jitter

MSI **50% Stability Enhancement**

Other Brands

Ping

MSI **Faster Response**

Other Brands

0 0.2 0.4 0.6 0.8 1 (ms)

# Killer + WtFast, The Unrivaled Total Solution for Gamers



**KILLER**  
NETWORK SUPREMACY

**KILLER**  
ETHERNET  
E2400



**WtFast**

Optimize Internet connection and speed in online games



Control your AP priorities (**Inside**)

Find the best connection from server to server (**Outside**)



***msi***<sup>®</sup>

**TRUE  GAMING**  
**SOME ARE PC, WE ARE GAMING**