

msi



THIN GF63 12V THIN GF63 12U

Pre-Sales kit | NB PM | Nov 2022

Intel 12th gen | Up to



45%

performance increased
compare to 11th gen **+**

30%

Gen-to-gen
perf. increased



New architecture
Ada Lovelace



Panoramic
Ray Tracing



DLSS
3



Cooler Boost

Share Pipe
Technology

*Pic will update

intel.
Wi-Fi 6
Gig+

PCI-E Gen.4
SSD



THIN GF63 12V THIN GF63 12U



21.7mm
1.86kg



RAM
DDR4



144 Hz



Matrix Display





THIN GF63 12V THIN GF63 12U

Design

THIN & LIGHT ALUMINUM HAIR-BRUSHED AESTHETICS

Metallic top and keyboard cover paired with an unique
X-shaped ventilation hidden underneath.



lightweight **1.86** kg

thin **21.7** mm

VERSATILE CONNECTIVITY

Thin GF63 provides comprehensive connectivity to let you connect all your devices easily.



USB 3.2 Type-C
w/ Display Output



USB 3.2 Type-A



HDMI (4K @ 30Hz)



DC-in



Mic-in



Headphone-out



RJ45

Brand New Color Box Design





THIN GF63 12V THIN GF63 12U

Performance

Performance Evolved

The **12th Gen. Intel Core i7 H-series processor** is here. With improved hybrid core architecture, it's **up to 14 cores** including **8 P-cores and 6 E-cores**. The processing power has evolved into the next generation for better multitasking works and running demanding games.



New
Hybrid
Core Architecture

Up to
14
cores

Up to
45%
performance increased
*Compare to 11th gen i7 processor

Intel
7
process





GEFORCE RTX 40 SERIES LAPTOPS BEYOND FAST

NVIDIA GeForce RTX 40 Series GPUs are beyond fast for gamers and creators. They're powered by the **ultra-efficient NVIDIA Ada Lovelace architecture** which delivers **a quantum leap in both performance and AI-powered graphics**. Experience lifelike virtual worlds with ray tracing and ultra-high FPS gaming with the lowest latency.



Brand new
Ada Lovelace
architecture



Panoramic
Ray Tracing
Experience



Upgraded
DLSS 3
AI-Accelerated Perf.

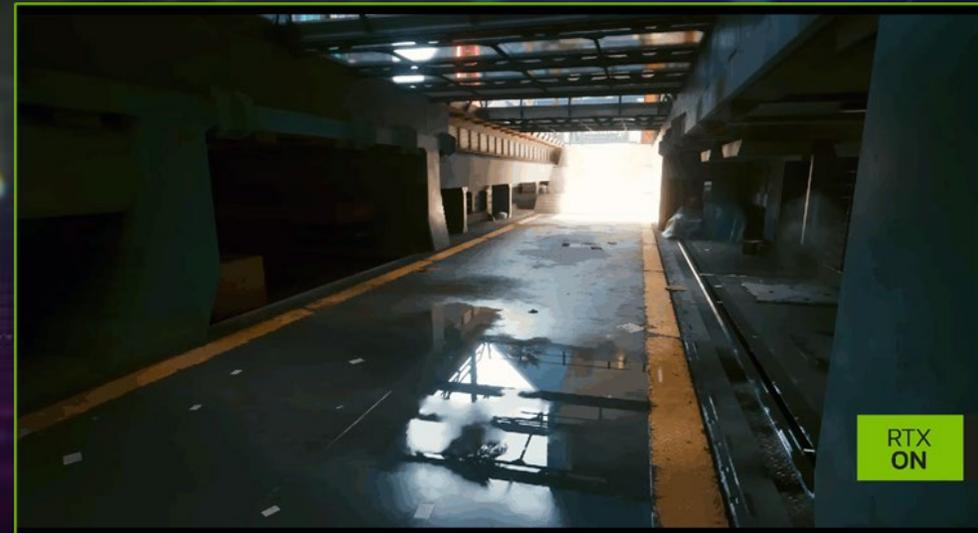


Hyperrealistic. Hyperfast. The Panoramic Ray-Tracing



Panoramic
Ray Tracing
Experience

The Ada architecture unleashes the full glory of ray tracing, which simulates how light behaves in the real world. With the power of **RTX 40 Series and third-gen RT Cores**, users can see ray-tracing effect in **game panoramically**, just like a movie.





The performance multiplier, powered by AI.



Upgraded
DLSS 3
AI-Accelerated Perf.

Powered by GeForce RTX 40 Series GPUs, the next generation DLSS 3 uses AI to create additional high-quality frames and boost up in game FPS performance while opening Ray Tracing. Users may experience great in game visuals with higher FPS for non-stop motions.



DLSS OFF, RT
On

DLSS 2, RT
On

DLSS 3, RT
On

Revolutionary Cooling for NEXT-GEN GAMING

New CPU-GPU Share-Pipe design enables real-time heat dissipation balancing between CPU & GPU for improved efficiency and ensuring maximum performance under extreme gaming,

Cooler Boost

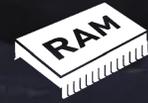
1 Fans 3 Pipes

Share Pipe Technology

Perfectly boosts perf.*

*under various scenario





DDR4



Speed Power Transfer

Katana Series supports **PCIe Gen 4 SSD** and **up to DDR4-3200** with high-speed data transfer, taking your experience to the next level.



**Optional. Actual specification may vary by configurations.*



THIN GF63 12V THIN GF63 12U

Visual



Smooth, Sleek Motions

Capture every moment with the sharp and smooth 144Hz IPS-level display.

**Optional. Actual specification may vary by configurations.*



Matrix Display 1+2

Experience the next level of gaming and productivity use with 2x display outputs.
(HDMI + USB-C with Display output support)



THIN GF63 12V THIN GF63 12U

Audio

Hear the Great Sound with Stunning Speakers

Built-in a pair of 2W speakers, the crisp sound
will never be compromised in such a compact design.

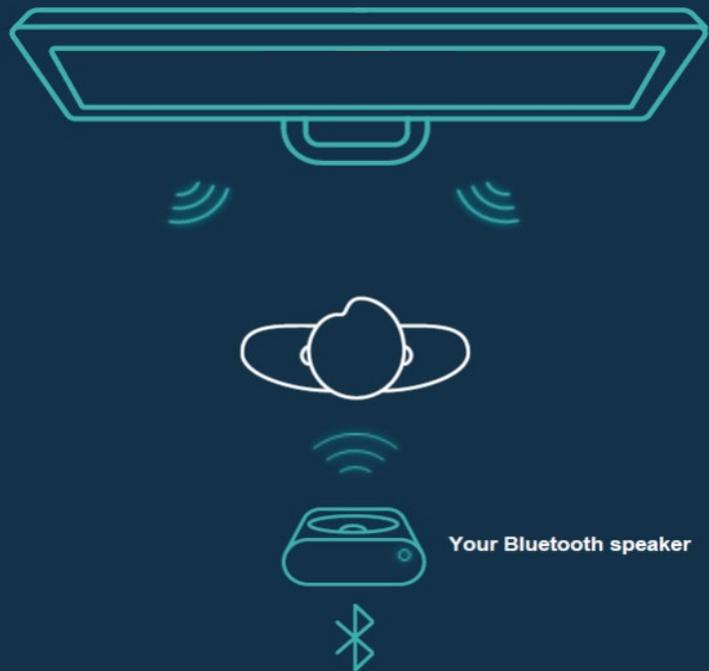




Nahimic EasySurround

Available in CES 2023

Easy Surround creates a **realistic immersive audio experience** with **any Bluetooth speakers** positioned as a rear speaker in combination with your front speaker.



The screenshot shows the Nahimic Easy Surround software interface. At the top left, there is a speaker icon labeled "Easy Surround" and a "Mute" button. A power icon indicates the feature is "Activated". The main title is "EASY SURROUND" with a "Help" icon. Below the title, there is a "Try 40s" button. The interface includes two volume sliders: "FRONT VOLUME" and "REAR VOLUME". A "LATENCY" slider is also present with a "Configure" button. A dropdown menu shows "INTERNAL SPEAKERS" and another dropdown shows "MSI SPEAKERS". A "START CONFIGURATION" button is visible. A text box states: "Easy surround. Easy Setup. Just connect the Bluetooth speaker to your PC and let you guide through an onboarding within the app." At the bottom left, there is a "Device Settings" icon.



THIN GF63 12V THIN GF63 12U

Control



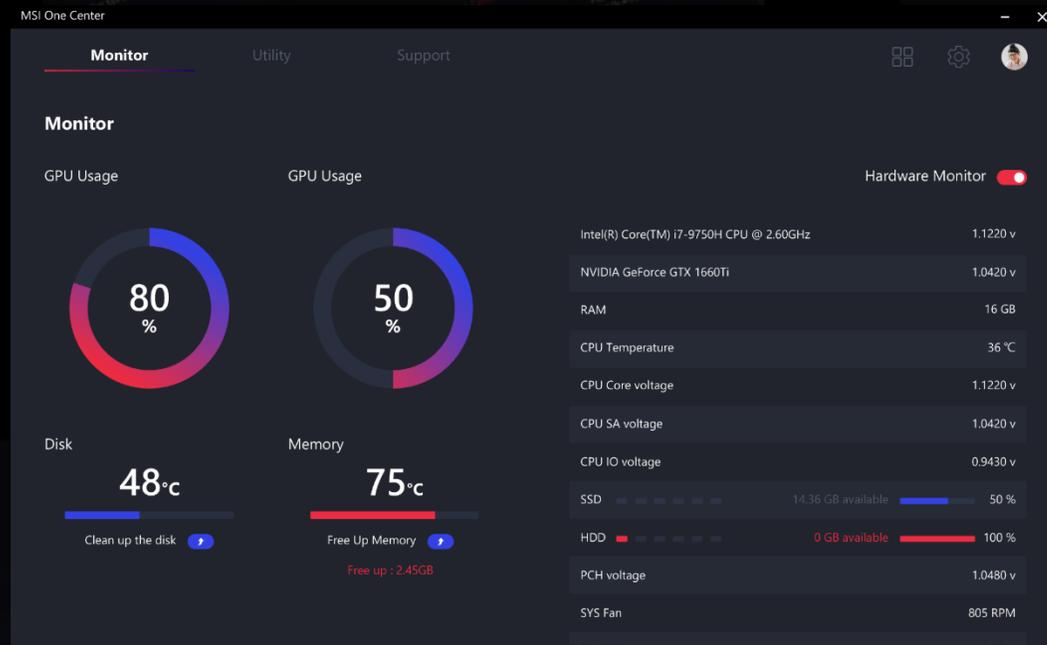
MSI Center

Smarter, Faster, More Personal

POWERED BY
MSI AI ENGINE



reddot winner 2022



New Updates



- Recommended Feature Set
- Consolidated Services + Hardware Diagnosis

General Settings

- Monitor
- User Scenario
- Gaming Mode
- Gaming Highlights

Useful Features

- Smart Auto
- MSI Sound Tune (Noise Cancellation)
- Smart Image Finder

NEW!

Recommended Feature Set

MSI Center

Let's build your own MSI Center!

Please select the usage scenarios that suit you, and we will recommend features based on your choice.

- Gaming
- Content Creation
- Web Browsing
- Work
- Education
- Streaming
- Programing
- Video Editing
- (Home) Theater

Next step

Skip >

Gaming Mode
Game Highlights
MSI Companion
Mystic Light
MSI Sound Tune

MSI Sound Tune
Smart Priority
System Diagnosis
Hardware Diagnosis
Performance Analysis

Integrate useful functions from MSI Center Pro

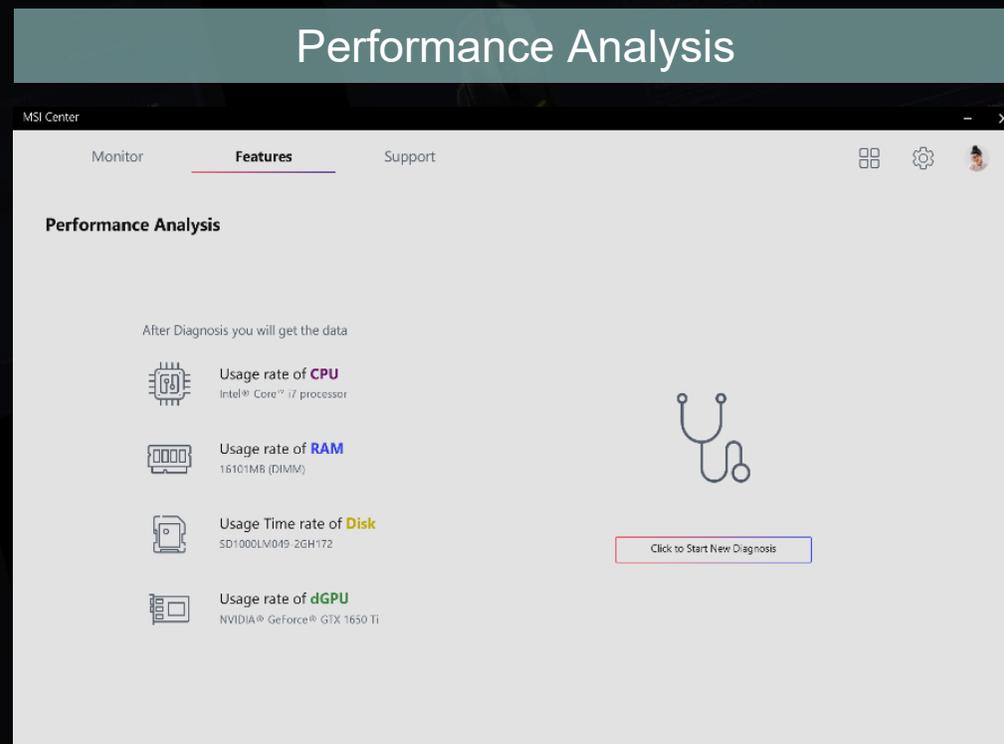
Consolidated Services + Hardware Diagnosis

Hardware Diagnosis



Quick check your Hardware

Performance Analysis



Quick check your Performance Analysis



THIN GF63 12V THIN GF63 12U

Streaming

intel.

Wi-Fi 6
Gig+

FAST SPEED Wi-Fi 6

Non-stop networking to Game Fast

Wi-Fi 6 features 802.11ax standards and **3x faster than Wi-Fi 5**, designed to deliver the lightning fast gameplay, the best streaming, and the most immersive communication experience. Play on the most optimal gaming settings with Intel Wi-Fi 6.

2.4 GBPS

Intel AX201 (2x2 / 160MHz / 802.11ax)

1.73 GBPS

Wireless Wi-Fi 5 (2x2 / 160MHz / 802.11ac Wave2)

867 MBPS

Standard Wi-Fi 5 (2x2 / 80MHz / 802.11ac)





THIN GF63 12V THIN GF63 12U

| Specification



THIN GF63 12V
THIN GF63 12U

PERFORMANCE

intel CORE i7

GEFORCE RTX

Cooler Boost

RAM **DDR4**

PCI-E **Gen.4 SSD**

VISUAL

144 Hz

Matrix Display

STREAMING

intel. **Wi-Fi 6 Gig+**

CONTROL

MSI Center

msi

POWERED BY **MSI AI ENGINE**

CROSSHAIR

DESIGN

DESIGN AWARD 2019

21.7m m
1.86kg

Thin Bezel

AUDIO

Hi-Res AUDIO

Nahimic BY steelseries

THIN GF63 12V

THIN GF63 12U

Processor	12th Gen. Intel® Core™ i7 Processor	
Display	15.6" FHD 144hz/60Hz 45%NTSC	
Graphics	NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6	NVIDIA® GeForce RTX™ 3050 Laptop GPU 6GB GDDR6 NVIDIA® GeForce RTX™ 2050 Laptop GPU 6GB GDDR6
Memory	2 x SO DIMM DDR4-3200 up to 64GB	
Storage	1x M.2 NVMe PCIe Gen3 SSD, 1x 2.5" SATA HDD	
Webcam	HD cam (30fps@720p)	
Communication	Gb LAN, Intel Wi-Fi 6 (802.11ax 2x2) w/ Bluetooth 5.2	
Audio	2x 2W Speaker, Hi-Res Audio Certified, Nahimic	
Keyboard	Red Backlit Gaming Keyboard	
I/O port	1x Type-C USB3.2 Gen1 w/ DP1.4, 2 X Type-A USB3.2 1 x HDMI (4K@30Hz), 1x Mic-in, 1x headphone-out, 1x RJ45, 1x DC-in	
Adapter / Battery	120W 3-Cell, 52.4 Whr	
Dimension	359mm (W) x 254mm (D) x 21.7mm (H)	
Weight	1.86kg	



*Please refer to the **Quotation** for the actual shipping specification *Final design and spec subject to change.

GF63

Gen to Gen Improvement

Thin GF63 11th

Thin GF63 12th

Design



Matrix Display

N/A

1+1 (HDMI or USB-C)

USB-C Function

Type-C USB3.2 Gen1

Type-C USB3.2 Gen1 + DP (display port)



msi

Tech meets Aesthetic



**GOLDEN
RATIO**



MSI
CREATOR
AWARDS



THE OFFICIAL GAMING PARTNER

