



GIGABYTE™ | AORUS

2026  
AORUS MASTER 16

# AORUS MASTER 16 8XJJ4DEE64SP EAN 4719331771072

Model	AORUS MASTER 16
Project Name	AM68XJ
OS	Windows® 11 Pro
CPU	AMD Ryzen™ 9 8940HX (Up to 5.3 GHz, 32 threads : 16 cores)
Display	16" 16:10 WQXGA 2560x1600 OLED 240Hz Display (DCI-P3 100%, HDR 1000, 1,000,000:1 Contrast ratio, Pantone® Validated, TÜV Rheinland-certified, Dolby Vision®, VESA DisplayHDR™ True Black 1000, VESA ClearMR 10000)
Memory	32GB (2x16) DDR5 5200 2x DDR5 Slots (Up to 64GB, DDR5 5200MHz)
GPUs	NVIDIA® GeForce RTX™ 5070Ti Laptop GPU 12GB GDDR7 Max. TGP 140W 992 AI TOPS (with Dynamic Boosts) *May vary by scenario. Thermal Capacity: 230W, Support MUX Switch
Storage	1TB (1x 1TB M.2 PCIe Gen 4 SSD) (2 Slots: 1x slot support PCIe Gen5, 1x slots support PCIe Gen4x4, Up to 4TB)
Keyboard Type	3-Zone RGB Backlit Keyboard, Up to 1.7mm Key-travel (Support N-Key)
I/O Port	2 x Type-A support USB3.2 Gen2, 1 x Type-C USB3.2 (support DisplayPort™ 2.0 and Power Delivery 3.0), 1 x Type-C USB4 (support DisplayPort™ 1.4 and Power Delivery 3.0), 1 x HDMI 2.1 FRL (from dGPU), 1 x MicroSD (UHS-II), 1 x Audio Jack support mic / headphone combo, 1 x DC in, 1 x RJ-45
Audio	4 Speakers, Microphone, Dolby Atmos® with Smart AMP
Communication	Wi-Fi: Wi-Fi 7 Wireless (802.11be 2x2) LAN: 1G Bluetooth: Bluetooth® V5.4
Built-in App	GiMATE
Adapter	330W AC Adapter
Battery	Li-ion 99Wh
Dimensions	35.7(W) x 25.5(D) x 1.9~2.5(H) cm
Weight	~2.3 kg



Up to AMD  
**Ryzen™ 9 9955HX3D**  
 Processor

Up to NVIDIA®  
**GeForce RTX™ 5090**  
 Laptop GPU  
 with **Max TGP 175W**

Up to  
**1824 AI TOPS**  
 Advanced GPU AI Performance



MUX Switch  
 Support



Copilot



GIGABYTE  
 GIMATE AI Agent



**16:10 2.5K 240 Hz OLED True HDR 1000 Display**

Up to 0.2 ms Response Time  
 100% DCI-P3  
 1,000,000:1 Contrast Ratio



VESA CERTIFIED  
**DisplayHDR™ 1000**



**4 Dual-force Speakers with  
 Smart Amplifier**



Smart Cooling

**230W**

Total Thermal Power

Vapor Chamber

3D VortX Air-channeling

Frost Fan 2.0 Design

0dB

Ambient Experience

Icy Touch

WASD Cool Zone



**99 Wh**

Battery Capacity

**Fast Charging**

50% in 30 mins in AC Mode



Wi-Fi 7



**FHD IR camera**

Supports Windows Hello

Starting at  
**19 mm Ultra-thin Design**

**AORUS 5° Black**

**Signature RGB Lighting**



## AORUS MASTER 16

### Key Features



Up to AMD Ryzen™ 9  
9955HX3D Processor  
Up to 140W Max TDP



**nVIDIA.**

Up to RTX5090  
1824 AI TOPS



GIGABYTE  
GIMATE AI



175W  
Max TGP  
230W  
CPU+GPU  
WINDFORCE Infinity EX  
0dB Smart Cooling  
Vapor Chamber



19 mm Thin  
2.3 KG Light



OLED HDR 1000  
DCIP-3 100%

OLED WQXGA 240Hz  
True HDR Experience



Speaker with Smart AMP  
Cinema Experience



True-to-Life Contrast  
Cinema Experience



WiFi 7



USB4  
PD 3.0 Supported



Windows Hello  
FHD IR Camera  
Biometric Support



50%  
In 30Min  
99Wh Battery  
Fast Charge Support

## Best-In-Class Thermal Power

### Dual Power Fan Design

Frost Fan 2.0 with 160 Blades | Lateral Housing |  
Noise-cancelling Design



### Efficient Overall Thermal

Large-covered vapor chamber | 230W Total  
Thermal Design | 0.075mm Ultra-Thin Fins

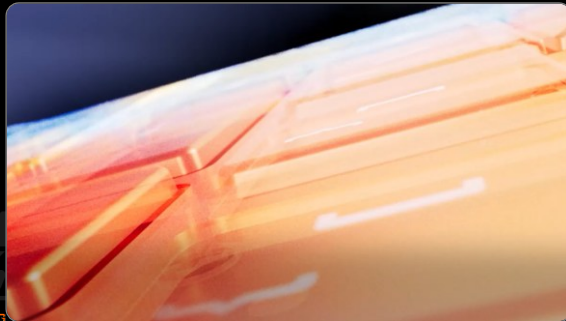


### 3D VortX Air-Channelling

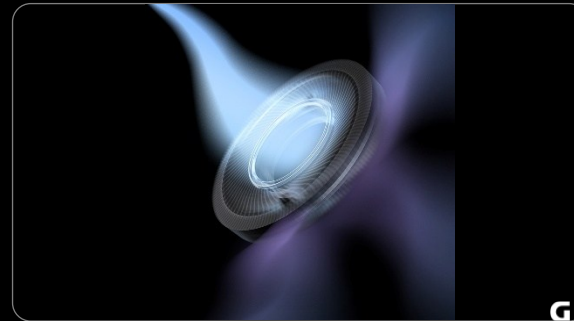
Keyboard Inlet | D-cover Inlet |  
4-way Outlets



### Icy Touch WASD Cool Zone



### 0dB Ambient Experience





Personal Cinema - Display

# Top-of-the-line in Sight.

**2560 x 1600**

WQXGA resolution

**240 Hz**

refresh rate

**Up to 0.2ms**

response time



**HDR 1000**

peak brightness

**1,000,000:1**

contrast ratio

**100% DCI-P3**

color gamut



VESA CERTIFIED

**DisplayHDR™ 1000**



VESA CERTIFIED

**ClearMR 10000**



**Dolby**  
VISION



Low Blue Light  
(Software  
Solution)  
Flicker Free

www.tuv.com  
ID 1111274310

**AORUS**  
TEAM UP. FIGHT ON.

**GIGABYTE** | **AORUS**

Personal Cinema - Audio  
**Mind-blowing Sounds.**

**4**  
speakers

**Dual-force Design**

reduces vibrations  
and distortion



**Smart Amplifier**

louder volume, deeper bass &  
higher dynamic range

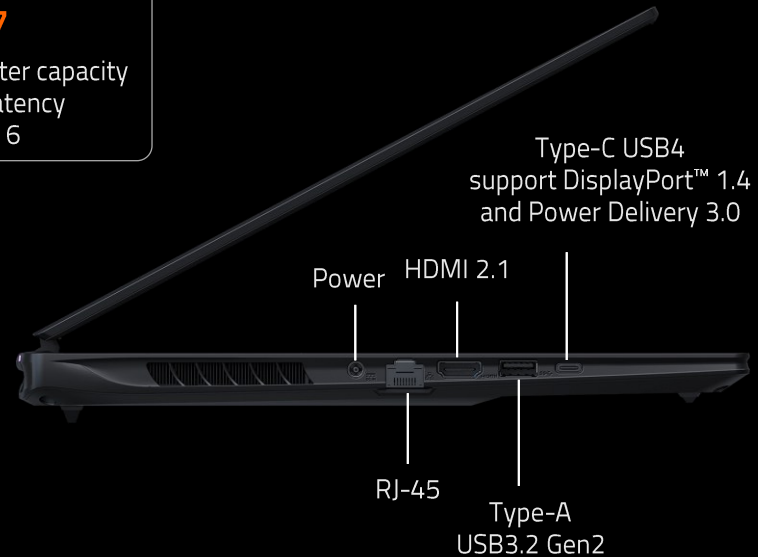


IO Ports & Wi-Fi 7

# MASTER-GRADE CONNECTIVITY

## Wi-Fi 7

4.8x faster / 5x greater capacity  
/ 100x lower latency  
than Wi-Fi 6



Design & Craftsmanship  
**Pure. Sleek. Effortless.**

**AORUS RGB Logo**  
customizable RGB Lighting



**AORUS Beacon**  
Stylish logo projector

**5° Black**  
Anodized Mate Finished  
Glow in Multilayer

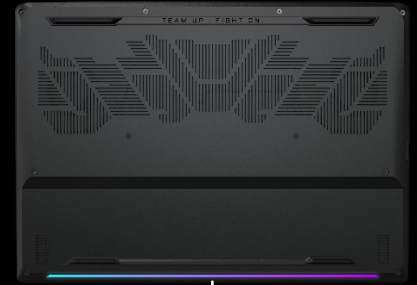
**3-Zone RGB**  
Keyboard



**4-sided**  
Slim Bezels

**Enormous**  
Touchpad

**Alluring Nameplate**  
Detail



**Atmosphere RGB**  
Lighting

**19mm**  
Thin



Productivity

# All-round Versatility

**99 Wh**

Battery Capacity

**PD 3.0**

Support

**Fast Charge**

50% in 30 mins in AC Mode

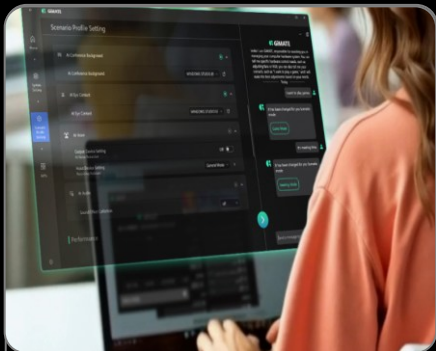
**FHD IR Camera**

Support Windows Hello



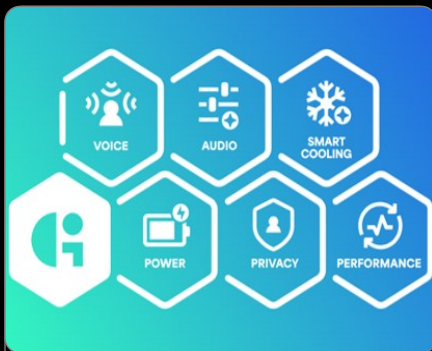
GiMate

# GiMATE, Your Smart AI Mate.



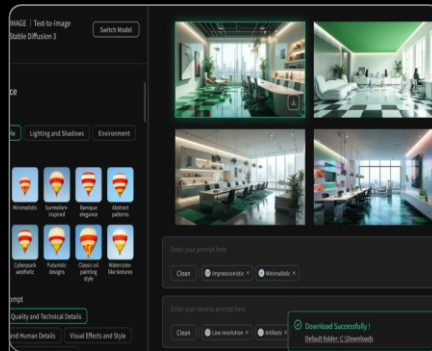
## Embedded LLM

GiMATE is built upon an advanced Large Language Model (LLM) to understand and anticipate your needs.



## G-Cell Technology

A suite of proprietary AI technologies that seamlessly tailor hardware optimizations to the user experience.



## GiMATE Creator

AI image generation with ease an improved user interface and by importing the latest models from Hugging Face.



## GiMATE Coder

A trusted AI tool that accelerates coding workflows — enabling you to create, polish, and refactor with the latest AI models, all running locally for maximum security.

[Learn More Details on GiMATE Landing Page](#)