AORUS MASTER 16

AM6H

OWN THE GAME
AORUS AI Gaming Laptop

intel CORE ULTRA 9 | nVIDIA GEFORCE RTX — Powering Advanced AI

Exclusive GIGABYTE Control Center with True Power of AI

LLM Support

GiMATE
Your Smart
AI Mate

Performance

Privacy

Power

Voice

Audio

Smart Cooling

Best-In-Class Thermal Power

Windforce Infinity EX Cooling

158 Blades
12V Dual-fans

Lateral Housing
(Airflow Recovery
With Patented)

Noise-cancelling
Design

3D VortX
Air-channeling

VC
Vapor Chamber
2 Heatpipes

Icy Touch
Design
& 0dB Cooling

Best Visual & Audio Experience

OLED
16" 16:10
OLED Display

WQXGA
240Hz
Smooth
Gameplay

Vivid
Color Gamut

1,000,000:1
Contrast Ratio

x4
4 X Speaker
With
Smart AMP

Dolby
VISION·ATMOS
Immersive Effects

PANTONE
Validated
Color
Accuracy

VESA CERTIFIED DisplayHDR™ TRUE BLACK 500
Brightness 400 nits
VESA Display
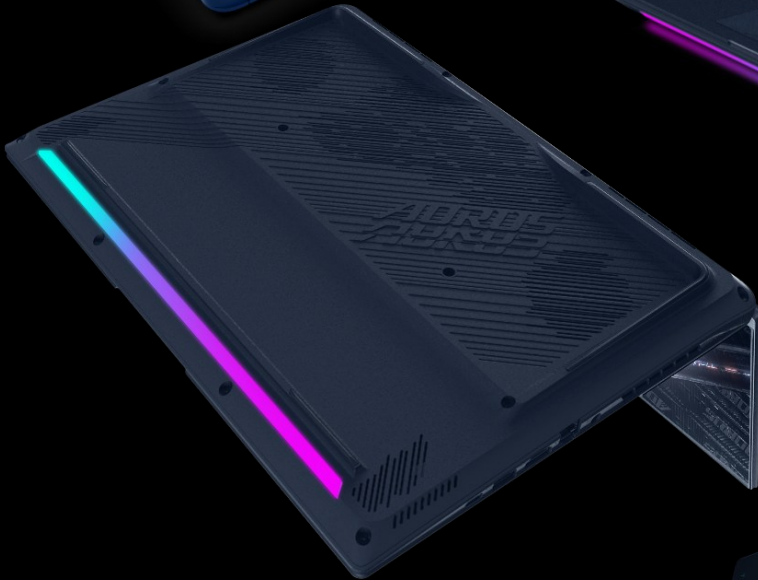HDR True Black 500 Cert.

TEAM UP. FIGHT ON.

*Specifications are subject to change without notice. GIGABYTE cannot be responsible for errors and omissions in typography or photography.
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TEAM UP. FIGHT ON. AORUS

Product Gallery

GIGABYTE™

AORUS

AORUS Master 16 BYHC5DEE65SP
EAN 4719331762407

MODEL	AORUS MASTER 16
PROJECT NAME	AM6BYH
PROCESSOR OPTIONS	Intel® Core™ Ultra 9 Processor 275HX (Up to 5.4 GHz, 24cores : 8 P-Cores, 16 E-Cores)
Operating System	Windows 11
GRAPHICS	NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 Max. TGP 175W 1334 AI TOPS (with Dynamic Boosts) Support NVIDIA Advanced Optimus: DDS. G-SYNC
Thermal Capacity	230W
DISPLAY	16" 16:10 WQXGA 2560x1600 OLED 240Hz Display （DCI-P3 100%, 500 nits, 1,000,000:1 Contrast ratio, Pantone® Validated, TÜV Rheinland-certified, Dolby Vision®, VESA DisplayHDR™ True Black 500）
SYSTEM MEMORY	32 (2x16) GB DDR5 6400 (2 slots, up to 64GB, DDR5 6400MHz)
STORAGE OPTIONS	2TB (2x1TB) PCIe Gen 4 SSD (1x slot support PCIe Gen5, 1x slots support PCIe Gen4x4 , Up to 4TB)
I/O PORT	2 x Type-A support USB3.2 Gen2 1 x Type-C with Thunderbolt™ 5* (support USB4, DisplayPort™ 2.1 and Power Delivery 3.0) 1 x Type-C with Thunderbolt™ 4 (support USB4, DisplayPort™ 1.4 and Power Delivery 3.0) 1 x HDMI 2.1 1 x MicroSD (UHS-II) 1 x Audio Jack support mic / headphone combo 1 x DC in 1 x RJ-45
AUDIO & SPEAKERS	4x 2W Speaker, Microphone, Dolby Atmos® with Smart AMP
KEYBOARD	3-Zone RGB Backlit Keyboard, Up to 1.7mm Key-travel (Support N-Key)
COMMUNICATIONS	Wi-Fi: Intel® Wi-Fi 7 Wireless (802.11be 2x2) LAN: 1G Bluetooth: Bluetooth® V5.4
WEBCAM	FHD (1080p) IR Camera for Windows Hello, Build-in array Microphone
POWER SUPPLY	330W AC Adapter
BATTERY	Li Polymer 99Wh
COLOR	Dark Tide
CONSTRUCTION	Aluminum with anti-finger coated in cover
BUILT-IN APPS	GiMATE
DIMENSIONS	35.7(W) x 25.4(D) x 2.3~2.9(H) cm / 14.05 (W) x 10.0 (D) x 0.90~1.14(H) inch
WEIGHT	~2.5 kg (w/Battery, M.2 SSD, RAM*2) / ~5.51 lb

*Product specifications and product appearance may differ from country to country. We recommend that you check with your local dealers for the specifications and appearance of the products available in your country.
**The size and weight of the laptop may vary according to the configuration, manufacturing process and measurement method, please refer to the actual situation.
***GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.

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