

AORUS MASTER 18

AM8H



OWN THE GAME

AORUS AI Gaming Laptop

GEFORCE
RTX

Powering Advanced AI

Exclusive GIGABYTE Control Center with True Power of AI

LLM
SupportGiMATE
Your Smart
AI Mate

Performance



Privacy



Power



Voice



Audio



Smart Cooling

Best-In-Class Thermal Power

Windforce Infinity
EX Cooling
TTL 270W
TDP158 Blades
12V Dual-fansInternal
BlastLateral Housing
(Airflow Recovery
With Patented)Noise-cancelling
Design3D VortX
Air-channellingVapor Chamber
2 HeatpipesIcy Touch
Design
& 0dB Cooling

TEAM UP. FIGHT ON.

Best Visual & Audio Experience

18" 16:10
MiniLED DisplaySmooth
GameplayVivid
Color Gamut1,000,000:1
Contrast Ratio6 X Speaker
With
Dual Force

Immersive Effects

Color
AccuracyBrightness 1200 nits
VESA Display HDR1000 Cert.

TEAM UP. FIGHT ON.

Product Gallery



*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.

AORUS Master 18 BYHC5DED65SP

EAN 4719331762315

Product Specifications

MODEL	AORUS MASTER 18
PROJECT NAME	AM8BYH
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	270W
DISPLAY	18" 16:10 WQXGA 2560x1600 MiniLED 240Hz Display (DCI-P3 100%, 1200 nits, 1,000,000:1 Contrast ratio, Pantone® Validated, TÜV Rheinland-certified, Dolby Vision®, VESA DisplayHDR™ 1000)
SYSTEM MEMORY	32GB (2x16) DDR5 6400 (4 Slots, up to 128GB, DDR5 6400MHz)
STORAGE OPTIONS	2TB (2x1) PCIe Gen4 SSD (3 slots, 1x slot support PCIe Gen5, 2x slots support PCIe Gen4x4, up to 6TB, RAID 0)
I/O PORT	3 x Type-A support USB3.2 Gen2 1 x Type-C with Thunderbolt™ 4 (support USB4, DisplayPort™ 1.4 and Power Delivery 3.0) 1 x Type-C with Thunderbolt™ 5 (support USB4, DisplayPort™ 2.1 and Power Delivery 3.0) 1 x HDMI 2.1 1 x full-size SD card port (UHS-II) 1 x Audio Jack support mic / headphone combo 1 x DC in 1 x RJ-45
AUDIO & SPEAKERS	4x 2W Speaker + 2x Tweeter, Microphone, Dolby Atmos® with Smart AMP
KEYBOARD	Per-key RGB Backlit Keyboard, Up to 2.0mm Key-travel (Support N-Key, with Number Key)
COMMUNICATIONS	Wi-Fi: Intel® Wi-Fi 7 Wireless (802.11be 2x2) LAN: 2.5G Bluetooth: Bluetooth® V5.4
WEBCAM	FHD (1080p) IR Camera for Windows Hello support studio effect, Build-in array Microphone
POWER SUPPLY	400W AC Adapter
BATTERY	Li Polymer 99Wh
COLOR	5° Black
CONSTRUCTION	Aluminum with anti-finger coated in cover
BUILT-IN APPS	GiMATE
DIMENSIONS	40.07(W) x 28.7(D) x 2.5~3.0(H) cm / 15.07 (W) x 11.29 (D) x 0.98~1.21(H) inch
WEIGHT	~3.5 kg (w/Battery, M.2 SSD, RAM*2) / ~7.71 lb)

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