

AORUS MASTER 18

AM8H



OWN THE GAME

AORUS AI GAMING LAPTOP



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-channelingVapor 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 E Effects

Color
AccuracyBrightness 1200 nits
VESA Display HDR 1000 Cert.

TEAM UP. FIGHT ON.

PRODUCT GALLERY

MASTER



*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.

PRODUCT
SPECIFICATIONS

MODEL	AORUS MASTER 18 BZH	AORUS MASTER 18 BYH
PROJECT NAME	AM8BZH	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™ 5090 Laptop GPU 24GB GDDR7 Max. TGP 175W 1824 AI TOPS (with Dynamic Boosts)	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 (3ms, DCI-P3 100%, 1200 nits, 1,000,000:1 Contrast ratio, Pantone® Validated, TÜV Rheinland-certified, Dolby Vision®, VESA DisplayHDR™ 1000)	
SYSTEM MEMORY	4x DDR5 Slots (Up to 128GB, DDR5 5600MHz)	
STORAGE OPTIONS	3x M.2 SSD 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)	

*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.