

AORUS MASTER 18 AM8H

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	AORUS MASTER 18 BZH	AORUS MASTER 18 BYH
OS	Windows 11 Pro (GIGABYTE recommends Windows 11 Pro for business.) Windows 11 Home UEFI Shell OS	Windows 11 Pro (GIGABYTE recommends Windows 11 Pro for business.) Windows 11 Home UEFI Shell OS
CPU	Intel® Core™ Ultra 9 Processor 275HX	Intel® Core™ Ultra 9 Processor 275HX
Video Graphics	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7	NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7
Display	18.0" 16:10 WQXGA (2560x1600) 240Hz mini-LED Display (100% DCI-P3, Pantone® Validated, TÜV Rheinland-certified, Dolby Vision®, NVIDIA® Advanced Optimus, G-SYNC)	18.0" 16:10 WQXGA (2560x1600) 240Hz mini-LED Display (100% DCI-P3, Pantone® Validated, TÜV Rheinland-certified, Dolby Vision®, NVIDIA® Advanced Optimus, G-SYNC)
System Memory	Up to 128GB DDR5 5600MHz * 4x SO-DIMM sockets for expansion	Up to 128GB DDR5 5600MHz * 4x SO-DIMM sockets for expansion
Storage	1x PCIe Gen5 M.2 slot 2x PCIe Gen4x4 M.2 slots Up to 6TB PCIe NVMe™ M.2 SSD Supports RAID 0 *The storage capacity may differ by country and region. Please contact your local dealers or retailers for the latest product information. **If there is any abnormality that cannot be attributed to GIGABYTE/AORUS during the warranty period, it is not covered by the warranty. More info: https://member.aorus.com/global/productwarranty	1x PCIe Gen5 M.2 slot 2x PCIe Gen4x4 M.2 slots Up to 6TB PCIe NVMe™ M.2 SSD Supports RAID 0 *The storage capacity may differ by country and region. Please contact your local dealers or retailers for the latest product information. **If there is any abnormality that cannot be attributed to GIGABYTE/AORUS during the warranty period, it is not covered by the warranty. More info: https://member.aorus.com/global/productwarranty
Keyboard Type	Per-key RGB Backlit Keyboard, Up to 2.0mm Key-travel (Support N-Key, with 10-Key)	Per-key RGB Backlit Keyboard, Up to 2.0mm Key-travel (Support N-Key, with 10-Key)
I/O Port	Left Side: 1 x DC in 1 x RJ-45 1 x HDMI 2.1 1 x Type-A support USB3.2 Gen2 1 x Type-C with Thunderbolt™5 (support USB4, DisplayPort™ 2.1 and Power Delivery 3.0) Right Side: 1 x Type-A support USB3.2 Gen2 1 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 full-size SD card port (UHS-II) 1 x Audio Jack support mic / headphone combo	Left Side: 1 x DC in 1 x RJ-45 1 x HDMI 2.1 1 x Type-A support USB3.2 Gen2 1 x Type-C with Thunderbolt™5 (support USB4, DisplayPort™ 2.1 and Power Delivery 3.0) Right Side: 1 x Type-A support USB3.2 Gen2 1 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 full-size SD card port (UHS-II) 1 x Audio Jack support mic / headphone combo
Audio	4x 2W speakers + 2x tweeters Microphone Dolby Atmos® Smart Amp Technology	4x 2W speakers + 2x tweeter Microphone Dolby Atmos® Smart Amp Technology
Communications	WiFi 7 (802.11be 2x2) LAN: 2.5G Bluetooth v5.4	WiFi 7 (802.11be 2x2) LAN: 2.5G Bluetooth v5.4
Webcam	FHD (1080p) IR Webcam Build-in array Microphone Support Windows Hello Face Authentication	FHD (1080p) IR Webcam Build-in array Microphone Support Windows Hello Face Authentication
Security	Firmware-based TPM, supports Intel® Platform Trust Technology (Intel® PTT)	Firmware-based TPM, supports Intel® Platform Trust Technology (Intel® PTT)
Battery	Li Polymer 99Wh	Li Polymer 99Wh
Adapter	400W AC Adapter, 100W PD	400W AC Adapter, 100W PD
Dimensions (W x D x H)	400.76 x 287 x 25.3~30.9 mm *The dimensions of the laptop may vary according to the configuration, manufacturing process and measurement method, please refer to the actual situation.	400.76 x 287 x 25.3~30.9 mm *The dimensions of the laptop may vary according to the configuration, manufacturing process and measurement method, please refer to the actual situation.
Weight	~3.5 kg *The weight of the laptop may vary according to the configuration, manufacturing process and measurement method, please refer to the actual situation.	~3.5 kg *The weight of the laptop may vary according to the configuration, manufacturing process and measurement method, please refer to the actual situation.
Color	5-degree Black	5-degree Black



* The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade Dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

¹ Upgrade timing may vary by device. Features and app availability may vary by region. Certain features require specific hardware (see [aka.ms/windows11-spec](#)).

* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.

* Advertised performance is based on maximum theoretical interface values from respective Chipset vendors or organization who defined the interface specification. Actual performance may vary by system configuration.

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* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.

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