

GIGABYTE AORUS MASTER 18 BZH Gaming Laptop - 18.0", 240Hz WQXGA, Intel Core 275HX, NVIDIA RTX 5090 GPU, 32GB DDR5 5600MHz, 2 x Gen4 1TB SDD, Windows 11 Pro, 2 Year Warranty, AORUS MASTER 18 BZHC6UKD65SP

Brand : GIGABYTE

Product code: AORUS MASTER 18 BZHC6UKD65SP

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- Windows 11 Pro
- NVIDIA GeForce RTX 5090 Laptop GPUs
- Intel Core Ultra 9 275HX Processor
- 18.0" 16:10 WQXGA (2560x1600) 240Hz mini-LED Display
- WINDFORCE Infinity EX Cooling: Up to 270-watt Max TDP
- Advanced Optimus: DDS Technology
- Dolby Atmos and Dolby Vision
- Supports PCIe Gen5 SSD, DDR5 memory, and Wi-Fi 7

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The AORUS MASTER 18 redefines performance with NVIDIA GeForce RTX 50 GPUs and Intel Core Ultra 200HX Series Processor, delivering exceptional gaming and creation power. Its 18" mini-LED display provides 100% DCI-P3 color accuracy and a 240Hz refresh rate. WINDFORCE cooling ensures reliable performance, perfect for gamers and creators alike.



Design		Graphics	
Colour name	5-degree Black	Discrete graphics card model *	NVIDIA GeForce RTX 5090
Product type *	Laptop	Discrete graphics card memory	24 GB
Product colour *	Black	Discrete graphics memory type	GDDR7
Form factor *	Clamshell	On-board graphics card *	✓
Introduction year	2025	On-board GPU manufacturer	Intel
Country of origin	Taiwan	Discrete graphics card *	✓
Original brand name	GIGABYTE	On-board graphics card family	Intel Graphics
Display		On-board graphics card model *	Intel Graphics
Display diagonal *	45.7 cm (18")	Audio	
Display resolution *	2560 x 1600 pixels	Audio system	Dolby Atmos
Touchscreen *	✗	Number of built-in speakers	2
HD type	WQXGA	Speaker power	4 W
Panel type	Mini LED	Built-in microphone	✓
Native aspect ratio	16:10	Camera	
Display brightness	1200 cd/m²	Front camera	✓
RGB colour space	DCI-P3	Front camera HD type	Full HD
Colour gamut	100%	Network	
Maximum refresh rate	240 Hz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Contrast ratio (typical)	1000000:1	Wi-Fi standards	Wi-Fi 7 (802.11be)
High Dynamic Range (HDR) supported	✓	Mobile network connection *	✗
High Dynamic Range (HDR) technology	DisplayHDR 1000	Ethernet LAN	✓
Processor		Ethernet LAN data rates	2500 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 9	Bluetooth version	5.4

Processor		Ports & interfaces	
Processor generation	Intel Core Ultra (Series 2)	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	275HX	Ethernet LAN (RJ-45) ports	1
Processor cores	24	Thunderbolt 4 ports quantity	1
Processor threads	24	Intel® Thunderbolt 4	✓
Processor boost frequency	5.4 GHz	Combo headphone/mic port	✓
Performance cores	8	Keyboard	
Efficient cores	16	Pointing device	Touchpad
Performance-core Max Turbo Frequency	5.4 GHz	Numeric keypad *	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Keyboard backlit	✓
Performance-core base frequency	2.7 GHz	Keyboard backlit colour	RGB
Efficient-core base frequency	2.1 GHz	Keyboard backlit zone	Per-key RGB
Processor cache	36 MB	Software	
Processor base power	55 W	Operating system installed *	Windows 11 Pro
Maximum turbo power	160 W	Battery	
Neural processor unit (NPU)		Battery technology	Lithium Polymer (LiPo)
Neural processor unit (NPU)	Intel AI Boost	Number of battery cells	4
Sparsity support	✓	Battery capacity *	99 Wh
Windows Studio effects support	✓	Battery weight	338 g
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Power	
Total processor performance up to	36 TOPs	AC adapter power	400 W
NPU performance up to	13 TOPs	AC adapter frequency	50/60 Hz
GPU performance up to	8 TOPs	AC adapter input voltage	100 - 240 V
Memory		USB Power Delivery (USB PD)	✓
Internal memory *	32 GB	Security	
Internal memory type	DDR5-SDRAM	Trusted Platform Module (TPM)	✓
Memory clock speed	5600 MHz	Weight & dimensions	
Memory layout (slots x size)	2 x 16 GB	Width	400.8 mm
Memory slots	2x SO-DIMM	Depth	287 mm
Maximum internal memory *	128 GB	Height (front)	2.53 cm
Storage		Height (rear)	3.09 cm
Total storage capacity *	2 TB	Weight *	3.5 kg
Storage media *	SSD	Packaging data	
Total SSDs capacity	2 TB	Package width	115 mm
Number of SSDs installed	2	Package depth	480 mm
SSD capacity	1 TB	Package height	380 mm
SSD interface	PCI Express 4.0	Package weight	6.6 kg
NVMe	✓	Packaging content	
SSD form factor	M.2	AC adapter included *	✓
Optical drive type *	✗	Number of batteries	1
Graphics		Logistics data	
Discrete GPU manufacturer	NVIDIA	Products per shipping (inner) case	1 pc(s)
		Other features	
		Batteries included	✓
		Warranty period	2 year(s)



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