

GIGABYTE AORUS MASTER 18 BZHC6DED42SP laptop Intel Core Ultra 9 275HX 45.7 cm (18") WQXGA 64 GB DDR5-SDRAM 4 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Pro German Black

Brand : GIGABYTE

Product code: AORUS MASTER 18 BZHC6DED42SP

Product name : AORUS MASTER 18 BZHC6DED42SP

GIGABYTE AORUS MASTER 18 BZHC6DED42SP. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 275HX. Display diagonal: 45.7 cm (18"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 4 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5090. Operating system installed: Windows 11 Pro. Product colour: Black



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

Processor		Ports & interfaces	
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor threads	24	Thunderbolt 4 ports quantity	1
Processor boost frequency	5.4 GHz	Intel® Thunderbolt 4	✓
Performance cores	8	Combo headphone/mic port	✓
Efficient cores	16	Keyboard	
Performance-core Max Turbo Frequency	5.4 GHz	Pointing device	Touchpad
Efficient-core Max Turbo Frequency	4.6 GHz	Numeric keypad *	✓
Performance-core base frequency	2.7 GHz	Keyboard backlit	✓
Efficient-core base frequency	2.1 GHz	Keyboard backlit colour	RGB
Processor cache	36 MB	Keyboard backlit zone	Per-key RGB
Processor base power	55 W	Keyboard layout	QWERTZ
Maximum turbo power	160 W	Keyboard language	German
Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	Intel AI Boost	Operating system installed *	Windows 11 Pro
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium Polymer (LiPo)
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Number of battery cells	4
Total processor performance up to	36 TOPs	Battery capacity *	99 Wh
NPU performance up to	13 TOPs	Battery weight	338 g
GPU performance up to	8 TOPs	Power	
Memory		AC adapter power	400 W
Internal memory *	64 GB	AC adapter frequency	50/60 Hz
Internal memory type	DDR5-SDRAM	AC adapter input voltage	100 - 240 V
Memory clock speed	5600 MHz	USB Power Delivery (USB PD)	✓
Memory layout (slots x size)	2 x 32 GB	Security	
Memory slots	2x SO-DIMM	Trusted Platform Module (TPM)	✓
Maximum internal memory *	128 GB	Weight & dimensions	
Storage		Width	400.8 mm
Total storage capacity *	4 TB	Depth	287 mm
Storage media *	SSD	Height (front)	2.53 cm
Total SSDs capacity	4 TB	Height (rear)	3.09 cm
Number of SSDs installed	2	Weight *	3.5 kg
SSD capacity	2 TB	Packaging data	
SSD interface	PCI Express 4.0	Package width	115 mm
NVMe	✓	Package depth	480 mm
SSD form factor	M.2	Package height	380 mm
Optical drive type *	✗	Package weight	6.6 kg
Graphics		Packaging content	
Discrete GPU manufacturer	NVIDIA	AC adapter included *	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5090	Number of batteries	1
		Logistics data	
		Products per shipping (inner) case	1 pc(s)
		Other features	
		Batteries included	✓
		Warranty period	2 year(s)



4719331762421

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.