

## GIGABYTE AORUS 16X 9SG-43USC64SH laptop Intel® Core™ i7 i7-13650HX 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Home Grey



**Brand :** GIGABYTE

**Product code:** AORUS 16X 9SG-43USC64SH

**Product name :** AORUS 16X 9SG-43USC64SH

- Windows 11 Home
- Intel Core i7-13650HX (24MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 32GB (4800MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core i7-13650HX (24MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home



GIGABYTE AORUS 16X 9SG-43USC64SH laptop Intel® Core™ i7 i7-13650HX 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Home Grey:

It's time to wield the power of AI. Introducing a new lineup of AI gaming laptops from AORUS. The all-new AORUS 16X is built to unleash the latest Intel® Core™ HX processor and the NVIDIA® GeForce RTX™ 40 Series Laptop GPU for the powerful generative-AI. The Ai Nexus, a seamless AI experience for both gamers and creators, elevates power management, gaming performance, and generative-AI software to a new level. Everything is now even more capable with the most advanced WINDFORCE Infinity Cooling Technology. Defy all rules. Redefine every reality. The AORUS 16X is born with AI to Re: Defyne.

Design		Audio	
Product type *	Laptop	Speaker power	2 W
Product colour *	Grey	Built-in microphone	✓
Form factor *	Clamshell	<b>Camera</b>	
Introduction year	2024	Front camera	✓
Country of origin	China	Front camera resolution	1920 x 1080 pixels
<b>Display</b>		Front camera HD type	Full HD
Display diagonal *	40.6 cm (16")	Infrared (IR) camera	✓
Display resolution *	2560 x 1600 pixels	<b>Network</b>	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
HD type	WQXGA	Wi-Fi standards	Wi-Fi 7 (802.11be)
Native aspect ratio	16:10	Mobile network connection *	✗
RGB colour space	sRGB	Antenna type	2x2
Colour gamut	100%	WLAN controller manufacturer	Intel
Maximum refresh rate	165 Hz	Ethernet LAN	✓
<b>Processor</b>		Ethernet LAN data rates	10,100,1000 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel® Core™ i7	Bluetooth version	5.4
Processor generation	13th gen Intel® Core™ i7	<b>Ports &amp; interfaces</b>	
Processor model *	i7-13650HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor cores	14	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor boost frequency	4.9 GHz	Ethernet LAN (RJ-45) ports	1
Performance cores	6	HDMI ports quantity *	1
Efficient cores	8	HDMI version	2.1
Performance-core Max Turbo Frequency	4.9 GHz	Thunderbolt 4 ports quantity	1
Efficient-core Max Turbo Frequency	3.6 GHz	Intel® Thunderbolt 4	✓
Processor cache	24 MB		
Processor cache type	Smart Cache		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Processor base power	55 W	Combo headphone/mic port	✓
Maximum turbo power	157 W	USB Type-C DisplayPort Alternate Mode	✓
<b>Memory</b>		<b>Keyboard</b>	
Internal memory *	32 GB	Pointing device	Touchpad
Internal memory type	DDR5-SDRAM	Numeric keypad *	✗
Memory clock speed	4800 MHz	Keyboard backlit	✓
Memory layout (slots x size)	2 x 16 GB	Keyboard backlit colour	RGB
Memory slots	2x SO-DIMM	Keyboard backlit zone	3-zone RGB
Maximum internal memory *	64 GB	<b>Software</b>	
<b>Storage</b>		Operating system installed *	Windows 11 Home
Total storage capacity *	1 TB	<b>Battery</b>	
Storage media *	SSD	Battery technology	Lithium Polymer (LiPo)
Total SSDs capacity	1 TB	Battery capacity *	99 Wh
Number of SSDs installed	1	Battery weight	348 g
SSD capacity	1 TB	<b>Power</b>	
SSD interface	PCI Express 4.0	AC adapter power	240 W
NVMe	✓	DC-in jack	✓
SSD form factor	M.2	<b>Security</b>	
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
<b>Graphics</b>		<b>Weight &amp; dimensions</b>	
Discrete GPU manufacturer	NVIDIA	Width	356 mm
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Depth	254 mm
Discrete graphics card memory	8 GB	Height (front)	2 cm
Discrete graphics memory type	GDDR6	Height (rear)	2.7 cm
On-board graphics card *	✓	Weight *	2.3 kg
On-board GPU manufacturer	Intel	<b>Packaging data</b>	
Discrete graphics card *	✓	Package width	95 mm
On-board graphics card family	Intel® UHD Graphics	Package depth	400 mm
On-board graphics card model *	Intel® UHD Graphics	Package height	315 mm
<b>Audio</b>		Package weight	3.94 kg
Audio system	Dolby Atmos	<b>Packaging content</b>	
Number of built-in speakers	2	Number of batteries	1
		<b>Other features</b>	
		Batteries included	✓
		Warranty period	2 year(s)



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