

## GIGABYTE AORUS 16X ASG 2024 - 16 Inch, 165Hz QHD, Intel Core i9-14900HX, NVIDIA GeForce RTX 4070 GPU, 32GB DDR5 5600MHz, 2x 1TB Gen4 SDD, Windows 11 Home, 2 Year Warranty, Dolby Atmos, 16X ASG-63UKC65SH

**Brand :** GIGABYTE

**Product code:** AORUS 16X  
ASG-63UKC65SH



**Product name :** AORUS 16X ASG 2024 - 16 Inch, 165Hz QHD, Intel Core i9-14900HX, NVIDIA GeForce RTX 4070 GPU, 32GB DDR5 5600MHz, 2x 1TB Gen4 SDD, Windows 11 Home, 2 Year Warranty, Dolby Atmos, 16X ASG-63UKC65SH

Intel Core i9-14900HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

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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. With the 165 Hz QHD display, the AORUS 16X offers smooth gameplay. Visuals and sounds are elevated to a new level as a personal cinema by up to 91% screen-to-body ratio and the Dolby Atmos. Coupled with the exclusive Windforce Infinity cooling technology, it is agile in travel and effortlessly overcomes adversaries.

Design		Audio	
Colour name	Midnight Gray	Speaker power	2 W
Product type *	Laptop	Built-in microphone	✓
Product colour *	Grey	<b>Camera</b>	
Form factor *	Clamshell	Front camera	✓
Market positioning	Gaming	Front camera resolution	1920 x 1080 pixels
Introduction year	2024	Front camera HD type	Full HD
Country of origin	China	Infrared (IR) camera	✓
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display resolution *	2560 x 1600 pixels	Wi-Fi standards	Wi-Fi 7 (802.11be)
Touchscreen *	✗	Mobile network connection *	✗
HD type	WQXGA	Antenna type	2x2
Native aspect ratio	16:10	WLAN controller manufacturer	Intel
RGB colour space	sRGB	Ethernet LAN	✓
Colour gamut	100%	Ethernet LAN data rates	10,100,1000 Mbit/s
Maximum refresh rate	165 Hz	Bluetooth	✓
Processor		Bluetooth version	5.4
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor generation	Intel® Core™ i9 (14th gen)	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor model *	i9-14900HX	Ethernet LAN (RJ-45) ports	1
Processor cores	24	HDMI ports quantity *	1
Processor boost frequency	5.8 GHz	HDMI version	2.1
Performance cores	8	Thunderbolt 4 ports quantity	1
Efficient cores	16	Intel® Thunderbolt 4	✓
Performance-core Max Turbo Frequency	5.8 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.1 GHz	Charging port type	DC-in jack
Performance-core base frequency	2.2 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core boost frequency	1.6 GHz		
Processor cache	36 MB		
Processor cache type	Smart Cache		

<b>Processor</b>		<b>Keyboard</b>	
Processor base power	55 W	Pointing device	Touchpad
Maximum turbo power	157 W	Numeric keypad *	✗
<b>Memory</b>		Keyboard backlit	✓
Internal memory *	32 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	3-zone RGB
Memory clock speed	5600 MHz	<b>Software</b>	
Memory form factor	SO-DIMM	Operating system architecture	64-bit
Memory layout (slots x size)	2 x 16 GB	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	<b>Battery</b>	
Maximum internal memory *	32 GB	Battery technology	Lithium Polymer (LiPo)
<b>Storage</b>		Number of battery cells	4
Total storage capacity *	2 TB	Battery capacity *	99 Wh
Storage media *	SSD	Battery weight	348 g
Total SSDs capacity	2 TB	<b>Power</b>	
Number of SSDs installed	2	AC adapter power	240 W
SSD capacity	1 TB	AC adapter frequency	50 - 60 Hz
SSD interface	PCI Express 4.0	AC adapter input voltage	100 - 240 V
NVMe	✓	<b>Security</b>	
SSD form factor	M.2	Face recognition	✓
Optical drive type *	✗	Windows Hello	✓
Card reader integrated	✓	Trusted Platform Module (TPM)	✓
Compatible memory cards	MicroSD (TransFlash)	<b>Weight &amp; dimensions</b>	
<b>Graphics</b>		Width	356 mm
Discrete GPU manufacturer	NVIDIA	Depth	254 mm
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Height (front)	2 cm
Discrete graphics card memory	8 GB	Height (rear)	2.7 cm
Discrete graphics memory type	GDDR6	Weight *	2.3 kg
On-board graphics card *	✓	<b>Packaging data</b>	
On-board GPU manufacturer	Intel	Package width	95 mm
Discrete graphics card *	✓	Package depth	400 mm
On-board graphics card family	Intel® UHD Graphics	Package height	315 mm
On-board graphics card model *	Intel® UHD Graphics	Package weight	3.94 kg
<b>Audio</b>		<b>Packaging content</b>	
Audio system	Dolby Atmos	Number of batteries	1
Number of built-in speakers	2	<b>Logistics data</b>	
		Products per shipping (inner) case	1 pc(s)
		<b>Other features</b>	
		Batteries included	✓
		Warranty period	2 year(s)



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