

Gigabyte 7 9KF-E3GB513SH Laptop 43.9 cm (17.3") Full HD Intel® Core™ i5 i5-12500H 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : Gigabyte

Product code: AORUS 7 9KF-E3GB513SH

Product name : 7 9KF-E3GB513SH



- Windows 11 Home
 - Intel Core i5-12500H (18MB Cache)
 - 43.9 cm (17.3") Full HD 1920 x 1080, NVIDIA GeForce RTX 4060 (8GB GDDR6)
 - 16GB (3200MHz) DDR4-SDRAM & 512GB SSD
 Intel Core i5-12500H (18MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080, Intel Iris Xe Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home
 Gigabyte 7 9KF-E3GB513SH. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12500H. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4060. Operating system installed: Windows 11 Home. Product colour: Black



Design		Graphics	
Product type *	Laptop	Discrete graphics card memory	8 GB
Product colour *	Black	Discrete graphics memory type	GDDR6
Form factor *	Clamshell	Audio	
Display		Audio system	DTS:X Ultra
Display diagonal *	43.9 cm (17.3")	Number of built-in speakers	2
Display resolution *	1920 x 1080 pixels	Speaker power	2 W
Touchscreen *	✘	Built-in microphone	✓
HD type	Full HD	Camera	
Native aspect ratio	16:9	Front camera	✓
RGB colour space	sRGB	Front camera HD type	HD
Colour gamut	100%	Network	
Maximum refresh rate	360 Hz	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor manufacturer *	Intel	Mobile network connection *	✘
Processor generation	12th gen Intel® Core™ i5	Antenna type	2x2
Processor family *	Intel® Core™ i5	Ethernet LAN	✓
Processor model *	i5-12500H	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor boost frequency	4.5 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	3.3 GHz	Bluetooth version	5.2
Performance-core Max Turbo Frequency	4.5 GHz	Ports & interfaces	
Processor cores	12	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cache	18 MB	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor cache type	Smart Cache	Ethernet LAN (RJ-45) ports	1
Configurable TDP-down	35 W	HDMI ports quantity *	1
Processor base power	45 W	HDMI version	2.1
Maximum turbo power	95 W	Mini DisplayPorts quantity	1
Performance cores	4		

Processor		Ports & interfaces	
Efficient cores	8	Combo headphone/mic port	✓
Memory		Charging port type	DC-in jack
Internal memory *	16 GB	Keyboard	
Internal memory type	DDR4-SDRAM	Pointing device	Touchpad
Memory clock speed	3200 MHz	Numeric keypad *	✓
Maximum internal memory *	64 GB	Keyboard backlit	✓
Storage		Keyboard backlit colour	RGB
Total storage capacity *	512 GB	Keyboard backlit zone	3-zone RGB
Storage media *	SSD	Software	
Total SSDs capacity	512 GB	Operating system installed *	Windows 11 Home
Number of SSDs installed	1	Processor special features	
SSD capacity	512 GB	CPU configuration (max)	1
SSD interface	PCI Express	Battery	
NVMe	✓	Battery technology	Lithium Polymer (LiPo)
Optical drive type *	✗	Battery capacity *	99 Wh
Graphics		Power	
Discrete GPU manufacturer	NVIDIA	AC adapter power	230 W
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Security	
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✓	Weight & dimensions	
On-board graphics card family	Intel Iris Xe Graphics	Width	398 mm
On-board graphics card model *	Intel Iris Xe Graphics	Depth	254 mm
		Height	26 mm
		Weight *	2.7 kg



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