GIGABYTE

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 name : 7 9KF-E3GB513SH

Product code: AORUS 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

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell

Display

Display diagonal *	43.9 cm (17.3")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
Native aspect ratio	16:9
RGB colour space	sRGB
Colour gamut	100%
Maximum refresh rate	360 Hz

Processor

Processor manufacturer *	Intel
Processor generation	12th gen Intel® Core™ i5
Processor family *	Intel® Core™ i5
Processor model *	i5-12500H
Processor boost frequency	4.5 GHz
Efficient-core Max Turbo Frequency	3.3 GHz
Performance-core Max Turbo Frequency	4.5 GHz
Processor cores	12
Processor cache	18 MB
Processor cache type	Smart Cache
Configurable TDP-down	35 W
Processor base power	45 W
Maximum turbo power	95 W
Performance cores	4

Graphics

Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6

Audio

Audio system	DTS:X Ultra
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera HD type	HD

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.2

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Mini DisplayPorts quantity	1

Processor

Efficient cores	8

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	3200 MHz
Maximum internal memory *	64 GB

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express
NVMe	✓
Optical drive type *	✗

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4060
On-board graphics card *	✓
Discrete graphics card *	✓
On-board graphics card family	Intel Iris Xe Graphics
On-board graphics card model *	Intel Iris Xe Graphics

Ports & interfaces

Combo headphone/mic port	✓
Charging port type	DC-in jack

Keyboard

Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB
Keyboard backlit zone	3-zone RGB

Software

Operating system installed *	Windows 11 Home

Processor special features

CPU configuration (max)	1

Battery

Battery technology	Lithium Polymer (LiPo)
Battery capacity *	99 Wh

Power

AC adapter power	230 W

Security

Trusted Platform Module (TPM)	✓

Weight & dimensions

Width	398 mm
Depth	254 mm
Height	26 mm
Weight *	2.7 kg

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