GIGABYTE G6X 9KG 2024 - 16 Inch, 165Hz FHD, Intel Core i7-13650HX, NVIDIA GeForce RTX 4060 GPU, 16GB DDR5 4800MHz, 1x 1TB Gen4 SDD, Windows 11 Home, 2 Year Warranty, Dolby Atmos, G6X 9KG-43UK854SH

Brand : GIGABYTE
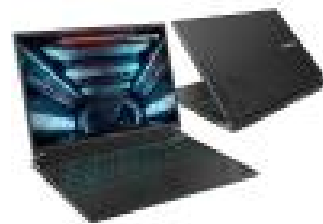
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- 13th Gen Intel Core i7-13650HX
- NVIDIA GeForce RTX 4060 Laptop GPU
- 16.0" 16:10 WUXGA (1920 x 1200) 165Hz FHD Display
- WINDFORCE Cooling System
- Mux Switch Technology
- Dolby Atmos Immersive Sound
- Supports DDR5 Memory
Intel Core i7-13650HX (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200, Intel UHD Graphics, NVIDIA GeForce RTX 4060 (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 GIGABYTE. The all-new GIGABYTE G6X harnesses the Intel Core HX processor and the NVIDIA GeForce RTX 40 Series Laptop GPU for the powerful generative AI. The cores are both covered by the upgraded WINDFORCE cooling system to ensure maximum performance. Visuals and sounds are elevated to a new level as a personal cinema by up to 90% screen-to-body ratio and the Dolby Atmos. It can be your AI powerhouse, gaming center, and also personal cinema. The GIGABYTE G6X provides you with all the possibilities.

Design

Colour name	Gunmetal Gray
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Market positioning	Gaming
Introduction year	2024
Country of origin	China

Display

Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✘
HD type	WUXGA
Native aspect ratio	16:10
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	165 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13650HX
Processor cores	14
Processor boost frequency	4.9 GHz
Performance cores	6
Efficient cores	8

Audio

Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Infrared (IR) camera	✔

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 1 (3.1 Gen 1) Type-A ports quantity *	1
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
Combo headphone/mic port	✔
Charging port type	DC-in jack

Processor

Performance-core Max Turbo Frequency	4.9 GHz
Efficient-core Max Turbo Frequency	3.6 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Processor base power	55 W
Maximum turbo power	157 W

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	4800 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✗

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4060
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio

Audio system	Dolby Atmos
Number of built-in speakers	2
Speaker power	2 W

Ports & interfaces

USB Type-C DisplayPort Alternate Mode	✓

Keyboard

Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB
Keyboard backlit zone	1-zone RGB

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	73 Wh
Battery weight	283 g

Power

AC adapter power	180 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V

Security

Cable lock slot	✓
Cable lock slot type	Kensington
Trusted Platform Module (TPM)	✓

Weight & dimensions

Width	361 mm
Depth	259 mm
Height (front)	2.51 cm
Height (rear)	2.89 cm
Weight *	2.5 kg

Packaging data

Package width	103 mm
Package depth	397 mm
Package height	317 mm
Package weight	2.98 kg

Packaging content

Number of batteries	1

Logistics data

Products per shipping (inner) case	1 pc(s)

Other features

Batteries included	✓
Warranty period	2 year(s)

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