GIGABYTE

GIGABYTE GAMING A16 GA6H Intel® Core™ i7 i7-13620H Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) FreeDOS Black

Brand : GIGABYTE

Product code: 4719331768478

Product name : GAMING A16 GA6H

- WINDFORCE Cooling: 0dB Ambience
- Personal cinema with Dolby Atmos®
- 76Wh battery capacity
- MUX Switch
- Wi-Fi 6E support

16", Intel Core i7-13620H, WQXGA (2560×1600), 16GB, 1TB, DC, RJ-45, HDMI 2.1, Type-A support USB3.2 Gen1, Type-C USB3.2 Gen1, Type-A support USB2.0, 3.5mm, 2x 2W, Bluetooth v5.2, WIFI 6E GIGABYTE GAMING A16 GA6H. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13620H. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5060. Operating system installed: FreeDOS. Product colour: Black

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Country of origin	China
Original brand name	GIGABYTE

Display

Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✘
HD type	WUXGA
Panel type	IPS
Native aspect ratio	16:10
Maximum refresh rate	165 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13620H
Processor cores	10
Processor threads	16
Processor boost frequency	4.9 GHz
Performance cores	6
Efficient cores	4
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	45 W
Maximum turbo power	115 W

Neural processor unit (NPU)

AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN

Graphics

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
Built-in microphone	✔

Camera

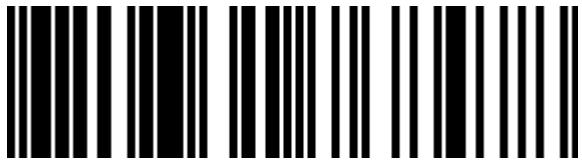|	
Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
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 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5200 MHz
Memory layout (slots x size)	1 x 16 GB
Maximum internal memory *	64 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 *	✘

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 5060
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR7
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘
Keyboard backlit	✔

Software

Operating system installed *	FreeDOS

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	76 Wh
Battery weight	275 g

Power

AC adapter power	150 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Power Delivery (USB PD)	✔

Security

Trusted Platform Module (TPM)	✔

Weight & dimensions

Width	358.3 mm
Depth	262.5 mm
Height (front)	1.95 cm
Height (rear)	2.3 cm
Weight *	2.2 kg

Packaging content

AC adapter included *	✔

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