GIGABYTE

GIGABYTE Gaming A16 CWHI3US894SH Intel® Core™ i7 i7-13620H Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 6E (802.11ax) Windows 11 Home Black



Brand : GIGABYTE

Product family: Gaming

Product code: GAMING A16 CWHI3US894SH

Product name : Gaming A16 CWHI3US894SH

- Windows 11 Home
- Intel Core i7-13620H (24MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 5070 (8GB GDDR7)
- 16GB (5200MHz) DDR5-SDRAM (1 x 16) & 1000GB SSD

Intel Core i7-13620H (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 5070 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home



GIGABYTE Gaming A16 CWHI3US894SH Intel® Core™ i7 i7-13620H Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 6E (802.11ax) Windows 11 Home Black:

The GIGABYTE GAMING A16 Laptop is powered by an Intel H Series processor, NVIDIA GeForce RTX 50 Series Laptop GPUs, and a 165Hz high refresh rate display. With its 16:10 wide aspect ratio and a 180° lay-flat hinge, this laptop supports all your fights and even your everyday life.

Design	
Colour name	Black Steel
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
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 *	i7-13620H
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

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

Processor	
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

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 5070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR7
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔

Ports & interfaces	
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✘
Keyboard backlit	✔

Software	
Operating system installed *	Windows 11 Home

Battery	
Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	76.1 Wh

Power	
AC adapter power	150 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
DC-in jack	✔
USB Type-C charging port *	✔
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 data	
Package width	93 mm
Package depth	419 mm
Package height	320 mm
Package weight	3.65 kg

Packaging content	
AC adapter included *	✔

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Catalog Object Cloud

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