

**GIGABYTE GAMING A16 CWHI3DEC94SH laptop Intel® Core™ i7
i7-13620H 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD
NVIDIA GeForce RTX 5070 Wi-Fi 6E (802.11ax) Windows 11 Home
Black**

Brand : GIGABYTE

Product code: GAMING A16 CWHI3DEC94SH

Product name : GAMING A16 CWHI3DEC94SH

GIGABYTE GAMING A16 CWHI3DEC94SH. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13620H. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 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 5070. Operating system installed: Windows 11 Home. Product colour: Black



Design		Audio	
Colour name	Black Steel	Speaker power	2 W
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black	Camera	
Form factor *	Clamshell	Front camera	✓
Country of origin	China	Front camera resolution	1280 x 720 pixels
Original brand name	GIGABYTE	Front camera HD type	HD
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display resolution *	2560 x 1600 pixels	Wi-Fi standards	Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Touchscreen *	✗	Mobile network connection *	✗
HD type	WQXGA	Antenna type	2x2
Panel type	IPS	Ethernet LAN	✓
Native aspect ratio	16:10	Ethernet LAN data rates	10,100,1000 Mbit/s
RGB colour space	NTSC	Bluetooth	✓
Colour gamut	45%	Bluetooth version	5.2
Maximum refresh rate	165 Hz	Ports & interfaces	
Processor		USB 2.0 ports quantity *	1
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor family *	Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor generation	13th gen Intel® Core™ i7	Ethernet LAN (RJ-45) ports	1
Processor model *	i7-13620H	HDMI ports quantity *	1
Processor cores	10	HDMI version	2.1
Processor threads	16	Combo headphone/mic port	✓
Processor boost frequency	4.9 GHz	USB Type-C DisplayPort Alternate Mode	✓
Performance cores	6		
Efficient cores	4		
Performance-core Max Turbo Frequency	4.9 GHz		

Processor		Performance	
Efficient-core Max Turbo Frequency	3.6 GHz	Repairability index	6.7
Processor cache	24 MB	Keyboard	
Processor cache type	Smart Cache	Pointing device	Touchpad
Processor base power	45 W	Numeric keypad *	✗
Maximum turbo power	115 W	Keyboard backlit	✓
Neural processor unit (NPU)		Software	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system installed *	Windows 11 Home
Memory		Battery	
Internal memory *	16 GB	Battery technology	Lithium Polymer (LiPo)
Internal memory type	DDR5-SDRAM	Number of battery cells	4
Memory clock speed	5200 MHz	Battery capacity *	76.1 Wh
Memory layout (slots x size)	1 x 16 GB	Battery weight	275 g
Maximum internal memory *	64 GB	Power	
Storage		AC adapter power	150 W
Total storage capacity *	1 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	DC-in jack	✓
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	1 TB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Weight & dimensions	
Optical drive type *	✗	Width	358.3 mm
Graphics		Depth	262.5 mm
Discrete GPU manufacturer	NVIDIA	Height (front)	1.95 cm
Discrete graphics card model *	NVIDIA GeForce RTX 5070	Height (rear)	2.3 cm
Discrete graphics card memory	8 GB	Weight *	2.2 kg
Discrete graphics memory type	GDDR7	Packaging data	
On-board graphics card *	✓	Package width	93 mm
On-board GPU manufacturer	Intel	Package depth	419 mm
Discrete graphics card *	✓	Package height	320 mm
On-board graphics card family	Intel® UHD Graphics	Package weight	3.65 kg
On-board graphics card model *	Intel® UHD Graphics	Packaging content	
Audio		AC adapter included *	✓
Audio system	Dolby Atmos	Number of batteries	1
Number of built-in speakers	2	Logistics data	
		Products per shipping (inner) case	1 pc(s)
		Other features	
		Batteries included	✓
		Warranty period	2 year(s)



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