GIGABYTE

GIGABYTE AERO X16 1VH93USC64AH Copilot+ PC AMD Ryzen AI 7 350 Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) Windows 11 Home Grey

Brand : GIGABYTE

Product code: GIGABYTE AERO X16 1VH93USC64AH

Product name : AERO X16 1VH93USC64AH

- Windows 11
- AMD Ryzen AI 7 350 Processor
- NVIDIA GeForce RTX 5060 Laptop GPUs
- 16.0" 16:10 WQXGA (2560x1600) 165Hz QHD IPS Display
- WINDFORCE Infinity Cooling
- Over 12 hrs battery life
- Supports Dolby Atmos, Type-C USB4, DDR5 memory, Mux Switch technology
AERO X16 Gaming Laptop - Copilot+ PC, 16", 165Hz WQXGA, Ryzen AI 7 350, RTX 5060, 32GB DDR5 5200MHz, 1TB Gen4 SSD, Windows 11 Home, Dolby Atmos

GIGABYTE AERO X16 1VH93USC64AH Copilot+ PC AMD Ryzen AI 7 350 Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) Windows 11 Home Grey:

Combining the latest AMD Ryzen AI 300 Series and NVIDIA GeForce RTX 50 Series GPUs, the AERO X16 delivers powerful performance in a sleek design. Featuring a QHD 165Hz display and GiMATE AI, it's perfect for gaming and creative work on the go.

Design

Colour name	Space Gray
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Introduction year	2025
Country of origin	China
Original brand name	GIGABYTE

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
Panel type	IPS
Native aspect ratio	16:10
Display brightness	400 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	165 Hz

Processor

Processor manufacturer *	AMD
Processor family *	AMD Ryzen AI 7
Processor generation	AMD Ryzen AI 300 Series
Processor model *	350
Processor cores	8
Processor threads	16
Processor boost frequency	5 GHz
Processor frequency *	2 GHz
Processor cache	16 MB

Audio

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

Camera

Front camera	✔
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full 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 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB4 Gen 2x2 ports quantity	1
Ethernet LAN (RJ-45) ports	2
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✔

Processor

Processor cache type	L3

Neural processor unit (NPU)

Neural processor unit (NPU)	AMD Ryzen AI
Total processor performance up to	66 TOPs
NPU performance up to	50 TOPs

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory slots	2x SO-DIMM
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	AMD
Discrete graphics card *	✔
On-board graphics card family	AMD Radeon
On-board graphics card model *	AMD Radeon 860M

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
Copilot key	✔

Software

Copilot+ PC	✔
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	76.1 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	355 mm
Depth	250.7 mm
Height (front)	1.68 cm
Height (rear)	2 cm
Weight *	1.9 kg

Packaging data

Package width	60 mm
Package depth	520 mm
Package height	322 mm
Package weight	3.57 kg

Packaging content

AC adapter included *	✔

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