

ASUS ROG Zephyrus G16 GA605KH-QR017W Copilot+ PC AMD Ryzen AI 7 350 Laptop 40.6 cm (16") 2.5K 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5050 Wi-Fi 7 (802.11be) Windows 11 Home Grey



Brand : ASUS

Product family: ROG

Product code: 90NR0N11-M000Y0

Product name : GA605KH-QR017W

AMD Ryzen AI 7 350 (2GHz), 32GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") 2.5K 2560 x 1600 OLED, AMD Radeon 860M, NVIDIA GeForce RTX 5050 (8GB GDDR7), WLAN, Webcam, Windows 11 Home 64-bit

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ROG ZEPHYRUS G16 (GA605)

Performance Meets Precision

Performance

The Dawn of A New Age

Game and create with ease on this Windows 11 Home powered machine. Featuring an AMD Ryzen™ AI 7 350 processor and an NVIDIA® GeForce RTX™ 5050 Laptop GPU, this 16-inch machine can easily handle the latest games and creative software. Cutting-edge AI features powered by AMD Ryzen™ AI and NVIDIA GeForce RTX™, as well as Microsoft Copilot for enhanced day-to-day productivity. As a certified Copilot+ PC, this machine is ready for all kinds of AI operations, offering better productivity and gaming utility with less power usage.

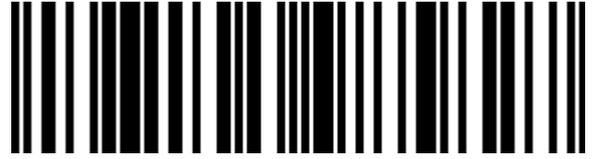


Design		Audio	
Colour name	Eclipse Gray	Number of microphones	3
Product type *	Laptop	Camera	
Product colour *	Grey	Front camera	✓
Form factor *	Clamshell	Front camera HD type	Full HD
Housing material	Aluminium	Infrared (IR) camera	✓
Market positioning	Gaming	Network	
Country of origin	China	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display		Wi-Fi standards	Wi-Fi 7 (802.11be)
Display diagonal *	40.6 cm (16")	Mobile network connection *	✗
Display resolution *	2560 x 1600 pixels	Antenna type	2x2
Touchscreen *	✗	Bluetooth	✓
HD type	2.5K	Bluetooth version	5.4
Panel type	OLED	Ports & interfaces	
Native aspect ratio	16:10	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Display surface	Gloss	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display brightness	500 cd/m ²	USB4 Gen 3x2 ports quantity	1
RGB colour space	DCI-P3	HDMI ports quantity *	1
Colour gamut	100%	HDMI version	2.1
Maximum refresh rate	240 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1000000:1	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) supported	✓	Keyboard	
High Dynamic Range (HDR) technology	Dolby Vision	Pointing device	Touchpad
Processor		Numeric keypad *	✗
Processor manufacturer *	AMD	Keyboard backlit	✓
Processor family *	AMD Ryzen AI 7		
Processor generation	AMD Ryzen AI 300 Series		

Processor		Keyboard	
Processor model *	350	Copilot key	✓
Processor cores	8	Software	
Processor threads	16	Operating system architecture	64-bit
Processor boost frequency	5 GHz	Microsoft Copilot	✓
Processor frequency *	2 GHz	Copilot+ PC	✓
Processor cache type	L2 & L3	Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
Neural processor unit (NPU)		Operating system installed *	Windows 11 Home
Neural processor unit (NPU)	AMD Ryzen AI	Bundled software	Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Total processor performance up to	66 TOPs	Battery	
NPU performance up to	50 TOPs	Battery technology	Lithium-Ion (Li-Ion)
Memory		Number of battery cells	4
Internal memory *	32 GB	Battery capacity *	90 Wh
Internal memory type	LPDDR5x-SDRAM	Fast charging	✓
Memory clock speed	7500 MHz	Fast charging time (50%)	30 min
Memory form factor	On-board	Power	
Maximum internal memory *	32 GB	AC adapter power	200 W
Memory channels	Dual-channel	AC adapter frequency	50 - 60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	1 TB	AC adapter output current	10 A
Storage media *	SSD	AC adapter output voltage	20 V
Total SSDs capacity	1 TB	USB Type-C charging port *	✓
Number of SSDs installed	1	USB Power Delivery (USB PD)	✓
SSD capacity	1 TB	Security	
SSD interface	PCI Express 4.0	Windows Hello	✓
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Password protection	✓
Optical drive type *	✗	Password protection type	BIOS, User
Card reader integrated	✓	Sustainability	
Compatible memory cards	SD	Sustainability certificates	ENERGY STAR
Graphics		Weight & dimensions	
Discrete GPU manufacturer	NVIDIA	Width	354 mm
Discrete graphics card model *	NVIDIA GeForce RTX 5050	Depth	246 mm
Discrete graphics card memory	8 GB	Height (front)	1.49 cm
Discrete graphics memory type	GDDR7	Height (rear)	1.64 cm
On-board graphics card *	✓	Weight *	1.85 kg
On-board GPU manufacturer	AMD	Packaging data	
Discrete graphics card *	✓	Package width	90 mm
On-board graphics card family	AMD Radeon	Package height	335 mm
On-board graphics card model *	AMD Radeon 860M	Package weight	4.56 kg
NVIDIA G-SYNC	✓	Packaging content	
Audio		AC adapter included *	✓
Audio system	Dolby Atmos	Logistics data	
Number of built-in speakers	4	Commodity Classification Automated Tracking System (CCATS)	8471300000
Built-in microphone	✓		



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Catalog Object Cloud



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