

ASUS ROG Zephyrus G16 GA605KH-QR013W AMD Ryzen™ AI 7 350 Laptop 40.6 cm (16") WQXGA 16 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 7 (802.11be) Windows 11 Home German Grey



Brand : ASUS

Product family: ROG

Product code: 90NR0NI1-M000Z0

Product name : GA605KH-QR013W

- Windows 11 Home 64-bit
- AMD Ryzen AI 7 350 (2GHz)
- 40.6 cm (16") WQXGA 2560 x 1600 OLED, NVIDIA GeForce RTX 5050 (8GB GDDR7)
- 16GB (7467MHz) LPDDR5x-SDRAM & 1000GB SSD

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

ASUS ROG Zephyrus G16 GA605KH-QR013W AMD Ryzen™ AI 7 350 Laptop 40.6 cm (16") WQXGA 16 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 7 (802.11be) Windows 11 Home German Grey:

PERFORMANCE MEETS PRECISION

The Future Is Here

GGame and create with ease on this Windows 11 Pro powered machine. Featuring an AMD Ryzen™ AI 9 HX 370 processor with AI accelerators and NVIDIA® GeForce RTX™ 4070 Laptop GPU, this 16-inch machine can easily handle the latest games and cutting-edge creative software alike. Whether you're in a video call, editing a video, or in a next generation game, AI is working tirelessly behind the scenes to improve your experience.

Design		Audio	
Product type *	Laptop	Built-in microphone	✓
Product colour *	Grey	Number of microphones	3
Form factor *	Clamshell	Camera	
Market positioning	Gaming	Front camera	✓
Introduction year	2025	Front camera resolution	1920 x 1080 pixels
Display		Front camera HD type	Full HD
Display diagonal *	40.6 cm (16")	Infrared (IR) camera	✓
Display resolution *	2560 x 1600 pixels	Network	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
HD type	WQXGA	Wi-Fi standards	Wi-Fi 7 (802.11be)
Panel type	OLED	Mobile network connection *	✗
Native aspect ratio	16:10	Antenna type	2x2
Display surface	Gloss	Ethernet LAN	✗
Display brightness	550 cd/m²	Bluetooth	✓
RGB colour space	DCI-P3	Bluetooth version	5.4
Colour gamut	100%	Ports & interfaces	
Display response rise/fall	0.2 ms	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Maximum refresh rate	240 Hz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
High Dynamic Range (HDR) supported	✓	USB4 Gen 3x2 ports quantity	1
High Dynamic Range (HDR) technology	Dolby Vision	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	AMD	Combo headphone/mic port	✓
Processor family *	AMD Ryzen™ AI 7	USB Type-C DisplayPort Alternate Mode	✓
Processor generation	AMD Ryzen AI 300 Series		
Processor model *	350		

Processor		Keyboard	
Processor cores	8	Pointing device	Touchpad
Processor threads	16	Numeric keypad *	✗
Processor boost frequency	5 GHz	Keyboard backlit	✓
Processor frequency *	2 GHz	Keyboard layout	QWERTZ
Processor cache type	L2 & L3	Keyboard language	German
L3 cache	16 MB	Copilot key	✓
L2 cache	8 MB		
Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	AMD Ryzen AI	Operating system architecture	64-bit
Total processor performance up to	66 TOPs	Microsoft Copilot	✓
NPU performance up to	50 TOPs	Trial software	Microsoft 365 (30 days)
		Operating system installed *	Windows 11 Home
Memory		Battery	
Internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	LPDDR5x-SDRAM	Number of battery cells	4
Memory clock speed	7467 MHz	Battery capacity *	90 Wh
Memory form factor	On-board	Fast charging	✓
Maximum internal memory *	16 GB	Fast charging time (50%)	30 min
Memory channels	Dual-channel		
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	200 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	10 A
SSD capacity	1 TB	AC adapter output voltage	20 V
SSD interface	PCI Express 4.0	DC-in jack	✓
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗		
Card reader integrated	✓		
Compatible memory cards	SD		
Graphics		Security	
Discrete GPU manufacturer	NVIDIA	Face recognition	✓
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050	Windows Hello	✓
Discrete graphics card memory	8 GB	Trusted Platform Module (TPM)	✓
Discrete graphics memory type	GDDR7	Password protection	✓
On-board graphics card *	✓	Password protection type	BIOS, User
On-board GPU manufacturer	AMD		
Discrete graphics card *	✓		
On-board graphics card family	AMD Radeon		
On-board graphics card model *	AMD Radeon 860M		
Audio		Weight & dimensions	
Audio system	Dolby Atmos	Width	354 mm
Number of built-in speakers	4	Depth	246 mm
		Height (front)	1.49 cm
		Height (rear)	1.64 cm
		Weight *	1.85 kg
		Packaging data	
		Package width	568 mm
		Package depth	98 mm
		Package height	345 mm
		Package weight	2.1 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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