

## ASUS ROG Zephyrus G16 GU605MV-QR108X Intel Core Ultra 9 185H Laptop 40,6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Pro White

**Brand :** ASUS

**Product family:** ROG

**Article code:** 90NR0IT2-M009Z0

**Product name :** GU605MV-QR108X



ASUS ROG Zephyrus G16 GU605MV-QR108X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 40,6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4060. Operating system installed: Windows 11 Pro. Product color: White



Design		Graphics	
Colour name	Platinum White	Discrete graphics memory type	GDDR6
Product type *	Laptop	On-board graphics card *	✓
Product colour *	White	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Market positioning	Gaming	On-board graphics card family	Intel Arc Graphics
Display		On-board graphics card model *	Intel Arc Graphics
Display diagonal *	40.6 cm (16")	NVIDIA G-SYNC	✓
Display resolution *	2560 x 1600 pixels	Audio	
Touchscreen *	✗	Audio system	Smart Amp
HD type	WQXGA	Speaker power	4 W
Panel type	OLED	Built-in microphone	✓
Native aspect ratio	16:10	Number of microphones	3
Display surface	Gloss	Camera	
RGB colour space	DCI-P3	Front camera	✓
Colour gamut	100%	Front camera resolution	1920 x 1080 pixels
Display response rise/fall	0.2 ms	Front camera HD type	Full HD
Maximum refresh rate	240 Hz	Infrared (IR) camera	✓
Contrast ratio (typical)	1000000:1	Network	
High Dynamic Range (HDR) supported	✓	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
High Dynamic Range (HDR) technology	Dolby Vision	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	Antenna type	2x2
Processor family *	Intel Core Ultra 9	Ethernet LAN	✗
Processor generation	Intel® Core™ Ultra (Series 1)	Bluetooth	✓
Processor model *	185H	Bluetooth version	5.3
Processor cores	16		

Processor		Ports & interfaces	
Processor boost frequency	5.1 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Performance cores	6	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Efficient cores	8	HDMI ports quantity *	1
Performance-core Max Turbo Frequency	5.1 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	3.8 GHz	Thunderbolt 4 ports quantity	1
Performance-core base frequency	2.3 GHz	Intel® Thunderbolt 4	✓
Efficient-core base frequency	1.8 GHz	Combo headphone/mic port	✓
Processor cache	24 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor cache type	Smart Cache		
Processor base power	45 W		
Maximum turbo power	115 W		
Neural processor unit (NPU)		Performance	
Neural processor unit (NPU)	Intel AI Boost	Repairability index	8
Maximum frequency NPU	1.4 GHz		
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	Pointing device	Touchpad
AI datatype support on NPU	FP16, FP32, Int8	Numeric keypad *	✗
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Keyboard backlit	✓
Memory		Software	
Internal memory *	32 GB	Operating system architecture	64-bit
Internal memory type	LPDDR5x-SDRAM	Operating system installed *	Windows 11 Pro
Memory clock speed	7467 MHz		
Memory form factor	On-board		
Memory layout (slots x size)	2 x 16 GB	Battery	
Maximum internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory channels	Dual-channel	Number of battery cells	4
Storage		Battery capacity *	90 Wh
Total storage capacity *	1 TB	Fast charging	✓
Storage media *	SSD	Fast charging time (50%)	30 min
Total SSDs capacity	1 TB		
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	200 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	10 A
Optical drive type *	✗	AC adapter output voltage	20 V
Card reader integrated	✓	USB Power Delivery (USB PD) *	✓
Compatible memory cards	SD		
Graphics		Security	
Discrete GPU manufacturer	NVIDIA	Face recognition	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Windows Hello	✓
Discrete graphics card memory	8 GB	Trusted Platform Module (TPM)	✓
		Trusted Platform Module (TPM) version	2.0
		Password protection	✓
		Password protection type	BIOS, User
		Weight & dimensions	
		Width	354 mm
		Depth	246 mm
		Height (front)	1.49 cm
		Height (rear)	1.64 cm
		Weight *	1.85 kg



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