

ASUS ROG Zephyrus G16 GU605MZ-QR045W Intel Core Ultra 9 185H Laptop 40.6 cm (16") Quad HD+ 32 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home White

Brand : ASUS

Product family: ROG

Product code: 90NR0IR6-M001W0

Product name : GU605MZ-QR045W



Intel Core Ultra 9 185H (24MB Cache), 32GB LPDDR5x-SDRAM, 2000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 OLED, Intel Arc Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

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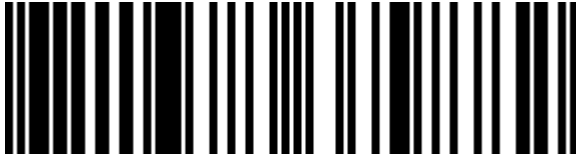
Power, precision, and elegance define the 2024 Zephyrus G16. Thinner and sleeker than ever before, the Zephyrus G16 still has the same sense of style and individuality that has always set it apart from the crowd.

ASUS ROG Zephyrus G16 GU605MZ-QR045W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 185H. Display diagonal: 40.6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Home. Product colour: White



Design		Graphics	
Colour name	Platinum White	On-board graphics card *	✓
Product type *	Laptop	On-board GPU manufacturer	Intel
Product colour *	White	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel Arc Graphics
Market positioning	Gaming	On-board graphics card model *	Intel Arc Graphics
Introduction year	2024	NVIDIA G-SYNC	✓
Country of origin	China	Audio	
Display		Audio system	Dolby Atmos
Display diagonal *	40.6 cm (16")	Number of built-in speakers	4
Display resolution *	2560 x 1600 pixels	Built-in microphone	✓
Touchscreen *	✗	Number of microphones	3
HD type	Quad HD+	Camera	
Panel type	OLED	Front camera	✓
Native aspect ratio	16:10	Front camera resolution	1920 x 1080 pixels
Display surface	Gloss	Front camera HD type	Full HD
Display brightness	500 cd/m ²	Infrared (IR) camera	✓
RGB colour space	DCI-P3	Network	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display response rise/fall	0.2 ms	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Maximum refresh rate	240 Hz	Mobile network connection *	✗
Contrast ratio (typical)	1000000:1	Antenna type	2x2
High Dynamic Range (HDR) supported	✓	Ethernet LAN	✗
High Dynamic Range (HDR) technology	Dolby Vision	Bluetooth	✓
Processor		Bluetooth version	5.3
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel Core Ultra 9	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	185H		

Processor		Ports & interfaces	
Processor cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor boost frequency	5.1 GHz	HDMI ports quantity *	1
Performance cores	6	HDMI version	2.1
Efficient cores	8	Thunderbolt 4 ports quantity	1
Performance-core Max Turbo Frequency	5.1 GHz	Intel® Thunderbolt 4	✓
Efficient-core Max Turbo Frequency	3.8 GHz	Combo headphone/mic port	✓
Performance-core base frequency	2.3 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core boost frequency	1.8 GHz	USB Power Delivery	✓
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	
Neural processor unit (NPU)	Intel AI Boost	Operating system architecture	64-bit
Maximum frequency NPU	1.4 GHz	Operating system installed *	Windows 11 Home
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium-Ion (Li-Ion)
AI datatype support on NPU	FP16, FP32, Int8	Number of battery cells	4
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Battery capacity *	90 Wh
Memory		Fast charging	✓
Internal memory *	32 GB	Fast charging time (50%)	30 min
Internal memory type	LPDDR5x-SDRAM	Power	
Memory form factor	On-board	AC adapter power	240 W
Maximum internal memory *	32 GB	AC adapter frequency	50 - 60 Hz
Memory channels	Dual-channel	AC adapter input voltage	100 - 240 V
Storage		AC adapter output current	12 A
Total storage capacity *	2 TB	AC adapter output voltage	20 V
Storage media *	SSD	Security	
Total SSDs capacity	2 TB	Face recognition	✓
Number of SSDs installed	1	Windows Hello	✓
SSD capacity	2 TB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Password protection	✓
NVMe	✓	Password protection type	BIOS, User
SSD form factor	M.2	Weight & dimensions	
Optical drive type *	✗	Width	355 mm
Card reader integrated	✓	Depth	246 mm
Compatible memory cards	SD	Height (front)	1.49 cm
Graphics		Height (rear)	1.74 cm
Discrete GPU manufacturer	NVIDIA	Weight *	1.95 kg
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Packaging data	
Discrete graphics card memory	12 GB	Package width	90 mm
Discrete graphics memory type	GDDR6	Package depth	465 mm
		Package height	335 mm
		Package weight	2.86 kg
		Logistics data	
		Commodity Classification	
		Automated Tracking System (CCATS)	8471300000



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