

ASUS ROG Zephyrus G16 GU605MZ-QR029W-BE Intel Core Ultra 9 185H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Grey, Black



Brand : ASUS

Product family: ROG

Product code: 90NR0IR5-M00320

Product name : GU605MZ-QR029W-BE

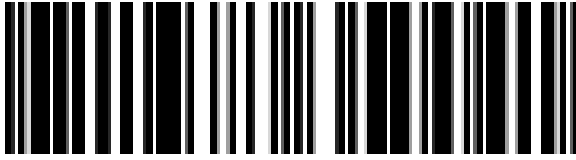
- Windows 11 Home 64-bit
 - Intel Core Ultra 9 185H (24MB Cache)
 - 40.6 cm (16") WQXGA 2560 x 1600 OLED, NVIDIA GeForce RTX 4080 (12GB GDDR6)
 - 32GB (7467MHz) LPDDR5x-SDRAM & 1000GB SSD
- Intel Core Ultra 9 185H (24MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 OLED, Intel Arc Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Zephyrus G16 GU605MZ-QR029W-BE. 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 4080. Operating system installed: Windows 11 Home. Product colour: Grey, Black

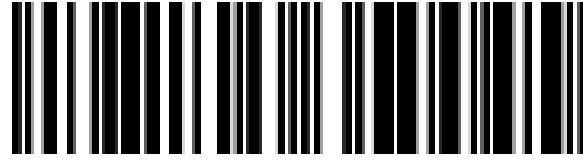


Design		Graphics	
Colour name	Eclipse Gray	On-board graphics card *	✓
Product type *	Laptop	On-board GPU manufacturer	Intel
Product colour *	Grey, Black	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card model *	Intel Arc Graphics
Market positioning	Gaming	NVIDIA G-SYNC	✓
Introduction year	2024	Audio	
Display		Audio system	Smart Amp
Display diagonal *	40.6 cm (16")	Speaker power	4 W
Display resolution *	2560 x 1600 pixels	Built-in microphone	✓
Touchscreen *	✗	Number of microphones	3
HD type	WQXGA	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	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	16	HDMI ports quantity *	1
Processor boost frequency	5.1 GHz	HDMI version	2.1
Performance cores	6	Thunderbolt 4 ports quantity	1
Efficient cores	8	Intel® Thunderbolt 4	✓
Performance-core Max Turbo Frequency	5.1 GHz		

Processor		Ports & interfaces	
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 base 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	Keyboard layout	AZERTY
Maximum turbo power	115 W	Keyboard language	Belgian
Neural processor unit (NPU)		Numeric keypad *	✗
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit	✓
Maximum frequency NPU	1.4 GHz	Keyboard backlit colour	RGB
Sparsity support	✓	Keyboard backlit zone	1-zone RGB
Windows Studio effects support	✓	Software	
AI datatype support on NPU	FP16, FP32, Int8	Operating system architecture	64-bit
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
Memory		Operating system installed *	Windows 11 Home
Internal memory *	32 GB	Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)	
Internal memory type	LPDDR5x-SDRAM	Bundled software	
Memory clock speed	7467 MHz	Battery	
Memory form factor	On-board	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	32 GB	Number of battery cells	4
Memory channels	Dual-channel	Battery capacity *	90 Wh
Storage		Fast charging	✓
Total storage capacity *	1 TB	Fast charging time (50%)	30 min
Storage media *	SSD	Power	
Total SSDs capacity	1 TB	AC adapter power	240 W
Number of SSDs installed	1	AC adapter frequency	50 - 60 Hz
SSD capacity	1 TB	AC adapter input voltage	100 - 240 V
SSD interface	PCI Express 4.0	AC adapter output current	12 A
NVMe	✓	AC adapter output voltage	20 V
SSD form factor	M.2	Security	
Optical drive type *	✗	Face recognition	✓
Card reader integrated	✓	Windows Hello	✓
Compatible memory cards	SD	Trusted Platform Module (TPM)	✓
Graphics		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	BIOS, User
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Weight & dimensions	
Discrete graphics card memory	12 GB	Width	354 mm
Discrete graphics memory type	GDDR6	Depth	246 mm
		Height (front)	1.49 cm
		Height (rear)	1.74 cm
		Weight *	1.95 kg



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