

ASUS ROG Zephyrus G16 GU605CM-QR027W Intel Core Ultra 7 255H Laptop 40.6 cm (16") 2.5K 16 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 7 (802.11be) Windows 11 Home Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0M21-M005T0

Product name : GU605CM-QR027W



- Windows 11 Home 64-bit
- Intel Core Ultra 7 255H (24MB Cache)
- 16" 2.5K 2560 x 1600 OLED, NVIDIA GeForce RTX 5060 (8GB GDDR7)
- 16GB (7467MHz) LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 7 255H (24MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 16" 2.5K 2560 x 1600 OLED, Intel Arc 140T, NVIDIA GeForce RTX 5060 (8GB GDDR7), WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Zephyrus G16 GU605CM-QR027W Intel Core Ultra 7 255H Laptop 40.6 cm (16") 2.5K 16 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 7 (802.11be) Windows 11 Home Grey:

The Dawn of A New Age

The 2025 Zephyrus G16 and Windows 11 Pro make gaming, creation, and everything in between a breeze. Featuring an Intel® Core™ Ultra 9 processor 285H and up to an NVIDIA® GeForce RTX™ 5090 Laptop GPU, this 16-inch machine can easily handle the latest games and cutting-edge creative software alike. The Zephyrus G16 can effortlessly transcribe voice notes into text documents, save valuable time during a video render, and play the latest AAA games at blazingly fast refresh rates. The future is here.

Design		Graphics	
Colour name	Eclipse Gray	On-board graphics card family	Intel Arc Graphics
Product type *	Laptop	On-board graphics card model *	Intel Arc 140T
Product colour *	Grey	Audio	
Form factor *	Clamshell	Audio system	Dolby Atmos
Market positioning	Gaming	Number of built-in speakers	4
Introduction year	2025	Built-in microphone	✓
Country of origin	China	Number of microphones	3
Display		Camera	
Display diagonal *	40.6 cm (16")	Front camera	✓
Display resolution *	2560 x 1600 pixels	Front camera resolution	1920 x 1080 pixels
Touchscreen *	✗	Front camera HD type	Full HD
HD type	2.5K	Infrared (IR) camera	✓
Panel type	OLED	Network	
Native aspect ratio	16:10	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display surface	Gloss	Wi-Fi standards	Wi-Fi 7 (802.11be)
Display brightness	500 cd/m²	Mobile network connection *	✗
RGB colour space	DCI-P3	Antenna type	2x2
Colour gamut	100%	Ethernet LAN	✗
Maximum refresh rate	240 Hz	Bluetooth	✓
Contrast ratio (typical)	1000000:1	Bluetooth version	5.4
High Dynamic Range (HDR) supported	✓	Ports & interfaces	
High Dynamic Range (HDR) technology	Dolby Vision	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel Core Ultra 7	HDMI version	2.1
Processor generation	Intel Core Ultra (Series 2)	Thunderbolt 4 ports quantity	1
Processor model *	255H		
Processor cores	16		

Processor		Ports & interfaces	
Processor threads	16	Intel® Thunderbolt 4	✔
Processor boost frequency	5.1 GHz	Combo headphone/mic port	✔
Performance cores	6	USB Type-C DisplayPort Alternate Mode	✔
Efficient cores	8		
Low Power Efficient-cores	2	Keyboard	
Performance-core Max Turbo Frequency	5.1 GHz	Pointing device	Touchpad
Efficient-core Max Turbo Frequency	4.4 GHz	Numeric keypad *	✘
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard backlit	✔
Performance-core base frequency	2 GHz	Keyboard backlit colour	RGB
Efficient-core base frequency	1.5 GHz	Keyboard backlit zone	1-zone RGB
Low Power Efficient-core Base Frequency	700 MHz	Software	
Processor cache	24 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Trial software	1-month trial for new Microsoft 365 customers; McAfee 30 days free trial
Processor base power	28 W	Operating system installed *	Windows 11 Home
Maximum turbo power	115 W	Bundled software	Xbox Game Pass Premium_2 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Premium. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Neural processor unit (NPU)			
Neural processor unit (NPU)	Intel AI Boost		
Sparsity support	✔		
Windows Studio effects support	✔		
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN		
Total processor performance up to	96 TOPs	Battery	
NPU performance up to	13 TOPs	Battery technology	Lithium-Ion (Li-Ion)
GPU performance up to	74 TOPs	Number of battery cells	4
		Battery capacity *	90 Wh
		Fast charging	✔
		Fast charging time (50%)	30 min
Memory		Power	
Internal memory *	16 GB	AC adapter power	200 W
Internal memory type	LPDDR5x-SDRAM	AC adapter frequency	50 - 60 Hz
Memory clock speed	7467 MHz	AC adapter input voltage	100 - 240 V
Memory form factor	On-board	AC adapter output current	10 A
Maximum internal memory *	16 GB	AC adapter output voltage	20 V
Memory channels	Dual-channel	USB Type-C charging port *	✔
Storage		USB Type-C required charging power (min) *	45 W
Total storage capacity *	1 TB	USB Type-C required charging power (max) *	100 W
Storage media *	SSD	USB Power Delivery (USB PD)	✔
Total SSDs capacity	1 TB	Security	
Number of SSDs installed	1	Face recognition	✔
SSD capacity	1 TB	Windows Hello	✔
SSD interface	PCI Express 4.0	Trusted Platform Module (TPM)	✔
NVMe	✔	Password protection	✔
SSD form factor	M.2	Password protection type	BIOS, User
Optical drive type *	✘	Weight & dimensions	
Card reader integrated	✔	Width	354 mm
Compatible memory cards	SD	Depth	246 mm
Graphics		Height	16.4 mm
Discrete GPU manufacturer	NVIDIA	Height (front)	1.49 cm
Discrete graphics card model *	NVIDIA GeForce RTX 5060	Height (rear)	1.64 cm
Discrete graphics card memory	8 GB	Weight *	1.85 kg
Discrete graphics memory type	GDDR7	Packaging data	
On-board graphics card *	✔	Package width	90 mm
On-board GPU manufacturer	Intel	Package depth	465 mm
Discrete graphics card *	✔		

Packaging data	
Package height	335 mm
Package weight	4.73 kg
Packaging content	
AC adapter included *	✓
Logistics data	
Commodity Classification Automated Tracking System (CCATS)	8471300000



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Catalog Object Cloud



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