

ASUS ROG Zephyrus G16 GU605CW-XS98-CA Intel Core Ultra 9 285H Laptop 40.6 cm (16") WQXGA 64 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Pro White



Brand : ASUS

Product family: ROG

Product code: 90NR0LX6-M005C0

Product name : GU605CW-XS98-CA

- Windows 11 Pro 64-bit
- Intel Core Ultra 9 285H (24MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 OLED, NVIDIA GeForce RTX 5080 (16GB GDDR7)
- 64GB (7467MHz) LPDDR5x-SDRAM & 2000GB SSD

Intel Core Ultra 9 285H (24MB Cache), 64GB LPDDR5x-SDRAM, 2000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 OLED, Intel Arc 140T, NVIDIA GeForce RTX 5080 (16GB GDDR7), WLAN, Webcam, Windows 11 Pro 64-bit

ASUS ROG Zephyrus G16 GU605CW-XS98-CA Intel Core Ultra 9 285H Laptop 40.6 cm (16") WQXGA 64 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Pro White:

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	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 140T
Introduction year	2025	NVIDIA G-SYNC	✓
Display		Audio	
Display diagonal *	40.6 cm (16")	Audio system	Smart Amp
Display resolution *	2560 x 1600 pixels	Speaker power	4 W
Touchscreen *	✗	Built-in microphone	✓
HD type	WQXGA	Number of microphones	3
Panel type	OLED	Camera	
Native aspect ratio	16:10	Front camera	✓
Display surface	Gloss	Front camera resolution	1920 x 1080 pixels
Display brightness	500 cd/m ²	Front camera HD type	Full HD
RGB colour space	DCI-P3	Infrared (IR) camera	✓
Colour gamut	100%	Network	
Maximum refresh rate	240 Hz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Contrast ratio (typical)	1000000:1	Wi-Fi standards	Wi-Fi 7 (802.11be)
High Dynamic Range (HDR) supported	✓	Mobile network connection *	✗
High Dynamic Range (HDR) technology	Dolby Vision	Antenna type	2x2
Processor		Ethernet LAN	✗
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 9	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)	Ports & interfaces	
Processor model *	285H	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cores	16		
Processor threads	16		

Processor		Ports & interfaces	
Processor boost frequency	5.4 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Performance cores	6	HDMI ports quantity *	1
Efficient cores	8	HDMI version	2.1
Low Power Efficient-cores	2	Thunderbolt 4 ports quantity	1
Performance-core Max Turbo Frequency	5.4 GHz	Intel® Thunderbolt 4	✓
Efficient-core Max Turbo Frequency	4.5 GHz	Combo headphone/mic port	✓
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	USB Type-C DisplayPort Alternate Mode	✓
Performance-core base frequency	2.9 GHz	Performance	
Efficient-core base frequency	2.7 GHz	Repairability index	9.3
Low Power Efficient-core Base Frequency	1000 MHz	Keyboard	
Processor cache	24 MB	Pointing device	Touchpad
Processor base power	45 W	Numeric keypad *	✗
Maximum turbo power	115 W	Keyboard backlit	✓
Neural processor unit (NPU)		Keyboard backlit colour	RGB
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit zone	1-zone RGB
Sparsity support	✓	Software	
Windows Studio effects support	✓	Operating system architecture	64-bit
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Total processor performance up to	99 TOPs	Operating system installed *	Windows 11 Pro
NPU performance up to	13 TOPs	Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)	
GPU performance up to	77 TOPs		
Memory		Bundled software	
Internal memory *	64 GB	Battery	
Internal memory type	LPDDR5x-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory clock speed	7467 MHz	Number of battery cells	4
Memory form factor	On-board	Battery capacity *	90 Wh
Maximum internal memory *	64 GB	Fast charging	✓
Memory channels	Dual-channel	Fast charging time (50%)	30 min
Storage		Power	
Total storage capacity *	2 TB	AC adapter power	240 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	2 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	DC-in jack	✓
Optical drive type *	✗	USB Type-C charging port *	✓
Card reader integrated	✓	USB Power Delivery (USB PD)	✓
Compatible memory cards	SD	Security	
Graphics		Face recognition	✓
Discrete GPU manufacturer	NVIDIA	Windows Hello	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	16 GB	Password protection	✓
Discrete graphics memory type	GDDR7	Password protection type	BIOS, User
		Weight & dimensions	
		Width	354 mm
		Depth	246 mm
		Height (front)	1.49 cm
		Height (rear)	1.74 cm
		Weight *	1.95 kg

Packaging content

AC adapter included *





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Catalog Object Cloud



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