

ASUS ROG Zephyrus G16 GU605CP-QR007W Intel Core Ultra 9 285H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 7 (802.11be) Windows 11 Home Grey, Black

Brand : ASUS

Product family: ROG

Product code: 90NR0MM1-M000J0

Product name : GU605CP-QR007W



- Windows 11 Home 64-bit
- Intel Core Ultra 9 285H (24MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 OLED, NVIDIA GeForce RTX 5070 (8GB GDDR7)
- 32GB (7467MHz) LPDDR5x-SDRAM & 1000GB SSD
Intel Core Ultra 9 285H (24MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 OLED, Intel Arc 140T, NVIDIA GeForce RTX 5070 (8GB GDDR7), WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Zephyrus G16 GU605CP-QR007W Intel Core Ultra 9 285H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 7 (802.11be) Windows 11 Home Grey, Black:



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 GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✓
Product colour *	Grey, Black	On-board graphics card family	Intel Arc Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel Arc 140T
Market positioning	Gaming	NVIDIA G-SYNC	✓
Introduction year	2025	Audio	
Country of origin	China	Audio system	Smart Amp
Display		Number of built-in speakers	6
Display diagonal *	40.6 cm (16")	Built-in microphone	✓
Display resolution *	2560 x 1600 pixels	Number of microphones	3
Touchscreen *	✗	Camera	
HD type	WQXGA	Front camera	✓
Panel type	OLED	Front camera resolution	1920 x 1080 pixels
Native aspect ratio	16:10	Front camera HD type	Full HD
Display surface	Gloss	Infrared (IR) camera	✓
Display brightness	500 cd/m²	Network	
RGB colour space	DCI-P3	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Colour gamut	100%	Wi-Fi standards	Wi-Fi 7 (802.11be)
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	5.4
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 generation	Intel Core Ultra (Series 2)		

Processor		Ports & interfaces	
Processor model *	285H	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	16	HDMI ports quantity *	1
Processor threads	16	HDMI version	2.1
Processor boost frequency	5.4 GHz	Thunderbolt 4 ports quantity	1
Performance cores	6	Intel® Thunderbolt 4	✓
Efficient cores	8	Combo headphone/mic port	✓
Low Power Efficient-cores	2	USB Type-C DisplayPort Alternate Mode	✓
Performance-core Max Turbo Frequency	5.4 GHz	Keyboard	
Efficient-core Max Turbo Frequency	4.5 GHz	Pointing device	Touchpad
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Numeric keypad *	✗
Performance-core base frequency	2.9 GHz	Keyboard backlit	✓
Efficient-core base frequency	2.7 GHz	Keyboard backlit colour	RGB
Low Power Efficient-core Base Frequency	1000 MHz	Keyboard backlit zone	1-zone RGB
Processor cache	24 MB	Software	
Processor base power	45 W	Operating system architecture	64-bit
Maximum turbo power	115 W	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Neural processor unit (NPU)		Operating system installed *	Windows 11 Home
Neural processor unit (NPU)	Intel AI Boost	Bundled software	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.)
Sparsity support	✓	Battery	
Windows Studio effects support	✓	Battery technology	Lithium-Ion (Li-Ion)
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Number of battery cells	4
Total processor performance up to	99 TOPs	Battery capacity *	90 Wh
NPU performance up to	13 TOPs	Fast charging	✓
GPU performance up to	77 TOPs	Fast charging time (50%)	30 min
Memory		Power	
Internal memory *	32 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 *	32 GB	AC adapter output voltage	20 V
Memory channels	Dual-channel	USB Type-C charging port *	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	1 TB	Security	
Storage media *	SSD	Face recognition	✓
Total SSDs capacity	1 TB	Windows Hello	✓
Number of SSDs installed	1	Trusted Platform Module (TPM)	✓
SSD capacity	1 TB	Password protection	✓
SSD interface	PCI Express 4.0	Password protection type	BIOS, User
NVMe	✓	Weight & dimensions	
SSD form factor	M.2	Width	354 mm
Optical drive type *	✗	Depth	246 mm
Card reader integrated	✓	Height (front)	1.49 cm
Compatible memory cards	SD	Height (rear)	1.64 cm
Graphics		Weight *	1.85 kg
Discrete GPU manufacturer	NVIDIA	Packaging data	
Discrete graphics card model *	NVIDIA GeForce RTX 5070	Package width	465 mm
Discrete graphics card memory	8 GB	Package depth	90 mm
Discrete graphics memory type	GDDR7	Package height	335 mm
On-board graphics card *	✓		

Packaging data	
Package weight	2.86 kg
Packaging content	
AC adapter included *	✓
Logistics data	
Commodity Classification Automated Tracking System (CCATS)	8471300000



4711387969205



0197105969209



197105969209

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.