

ASUS ROG Zephyrus G16 GU606AR-TB016W Intel Core Ultra 9 386H Laptop 40.6 cm (16") 2.5K 32 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home Grey

Brand : ASUS**Product family:** ROG**Product code:** 90NR0PC2-M000LO**Product name :** GU606AR-TB016W

- Windows 11 Home 64-bit
- Intel Core Ultra 9 386H (18MB Cache)
- 16" 2.5K 2560 x 1600 OLED, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7)
- 32GB (8533MHz) LPDDR5x-SDRAM & 2000GB SSD
Intel Core Ultra 9 386H (18MB Cache), 32GB LPDDR5x-SDRAM, 2000GB SSD, 16" 2.5K 2560 x 1600 OLED, Intel Graphics, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7), WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Zephyrus G16 GU606AR-TB016W Intel Core Ultra 9 386H Laptop 40.6 cm (16") 2.5K 32 GB LPDDR5x-SDRAM 2 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home Grey:

The Dawn of A New Age

The 2026 Zephyrus G16 and Windows 11 Pro make gaming, creation, and everything in between a breeze. Featuring an Intel® Core™ Ultra 9 processor 386H 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 Grey	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✓
Product colour *	Grey	On-board graphics card family	Intel® Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel® Graphics
Market positioning	Gaming	NVIDIA G-SYNC	✓
Introduction year	2026	Audio	
Country of origin	China	Audio system	Dolby Atmos
Display		Number of built-in speakers	4
Display diagonal *	40.6 cm (16")	Built-in microphone	✓
Display resolution *	2560 x 1600 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	2.5K	Front camera resolution	1920 x 1080 pixels
Panel type	OLED	Front camera HD type	Full HD
Native aspect ratio	16:10	Infrared (IR) camera	✓
Anti-glare screen	✓	Network	
Maximum display brightness (HDR)	1100 cd/m²	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum refresh rate	240 Hz	Wi-Fi standards	Wi-Fi 7 (802.11be)
Contrast ratio (typical)	1000000:1	Mobile network connection *	✗
High Dynamic Range (HDR) supported	✓	Antenna type	2x2
High Dynamic Range (HDR) technology	Dolby Vision	Ethernet LAN	✗
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	6.0
Processor family *	Intel Core Ultra 9	Ports & interfaces	
Processor generation	Intel® Core™ Ultra (Series 3)	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	386H	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	16	HDMI ports quantity *	1
Processor threads	16		
Processor boost frequency	4.9 GHz		

Processor		Ports & interfaces	
Performance cores	4	HDMI version	2.1
Efficient cores	8	Thunderbolt 4 ports quantity	1
Low Power Efficient-cores	4	Intel® Thunderbolt 4	✓
Performance-core Max Turbo Frequency	4.9 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	3.9 GHz	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-core Max Turbo Frequency	3.5 GHz	Keyboard	
Performance-core base frequency	2.1 GHz	Pointing device	Touchpad
Efficient-core base frequency	1.6 GHz	Numeric keypad *	✗
Low Power Efficient-core Base Frequency	1600 MHz	Keyboard backlit	✓
Processor cache	18 MB	Keyboard backlit colour	RGB
Processor cache type	Smart Cache	Keyboard backlit zone	1-zone RGB
Processor base power	25 W	Copilot key	✓
Maximum turbo power	80 W	Software	
Neural processor unit (NPU)		Operating system architecture	64-bit
Neural processor unit (NPU)	Intel AI Boost	Trial software	1-month trial for new Microsoft 365 customers; McAfee 30 days free trial
Sparsity support	✓	Operating system installed *	Windows 11 Home
Windows Studio effects support	✓	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.)
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN		
Total processor performance up to	99 TOPs		
NPU performance up to	50 TOPs		
GPU performance up to	77 TOPs		
Memory		Battery	
Internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	LPDDR5x-SDRAM	Number of battery cells	4
Memory clock speed	8533 MHz	Battery capacity *	90 Wh
Memory form factor	On-board	Fast charging	✓
Maximum internal memory *	32 GB	Fast charging time (50%)	30 min
Memory channels	Dual-channel	Power	
Storage		AC adapter power	250 W
Total storage capacity *	2 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	2 TB	AC adapter output current	12.5 A
Number of SSDs installed	1	AC adapter output voltage	20 V
SSD capacity	2 TB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Type-C required charging power (min) *	45 W
NVMe	✓	USB Type-C required charging power (max) *	100 W
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	Security	
Card reader integrated	✓	Face recognition	✓
Compatible memory cards	SD	Windows Hello	✓
Graphics		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	BIOS, User
Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti	Weight & dimensions	
Discrete graphics card memory	12 GB	Width	354 mm
Discrete graphics memory type	GDDR7	Depth	246 mm
On-board graphics card *	✓	Height (front)	1.49 cm
		Height (rear)	1.79 cm
		Weight *	1.95 kg
		Packaging data	
		Package width	90 mm

Packaging data	
Package depth	465 mm
Package height	335 mm
Package weight	4.73 kg
Packaging content	
AC adapter included *	✓



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Catalog Object Cloud



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