

ASUS ROG Zephyrus G16 GU606AW-TB009W Intel Core Ultra 9 386H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Grey AZERTY Belgian



Brand : ASUS

Product family: ROG

Product code: 90NR0PG2-M00620

Product name : GU606AW-TB009W

- Windows 11 Home 64-bit
- Intel Core Ultra 9 386H (18MB Cache)
- 16" WQXGA 2560 x 1600 OLED, NVIDIA GeForce RTX 5080 (16GB GDDR7)
- 32GB (8533MHz) LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 9 386H (18MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 16" WQXGA 2560 x 1600 OLED, Intel Graphics, NVIDIA GeForce RTX 5080 (16GB GDDR7), WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Zephyrus G16 GU606AW-TB009W Intel Core Ultra 9 386H Laptop 40.6 cm (16") WQXGA 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Grey AZERTY Belgian:

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 Gray	Discrete graphics card *	✓
Product type *	Laptop	On-board graphics card family	Intel® Graphics
Product colour *	Grey	On-board graphics card model *	Intel® Graphics
Form factor *	Clamshell	Total Graphics Power (TGP)	160 W
Housing material	Aluminium	NVIDIA G-SYNC	✓
Display back cover material	Aluminium	Ray tracing acceleration	✓
Market positioning	Gaming	Audio	
Certified refurbished	✗	Audio system	Dolby Atmos
Display		Number of built-in speakers	6
Display diagonal *	40.6 cm (16")	Built-in microphone	✓
Display resolution *	2560 x 1600 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	WQXGA	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-reflective coating	✓	Network	
Display brightness	500 cd/m²	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum display brightness (HDR)	1100 cd/m²	Wi-Fi standards	Wi-Fi 7 (802.11be)
RGB colour space	DCI-P3	Mobile network connection *	✗
Colour gamut	100%	Antenna type	2x2
Display response rise/fall	0.2 ms	Ethernet LAN	✗
Maximum refresh rate	240 Hz	Bluetooth	✓
High Dynamic Range (HDR) supported	✓	Bluetooth version	6.0
High Dynamic Range (HDR) technology	DisplayHDR True Black 1000	Ports & interfaces	
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor manufacturer *	Intel		
Processor family *	Intel Core Ultra 9		

Processor		Ports & interfaces	
Processor generation	Intel® Core™ Ultra (Series 3)	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor model *	386H	HDMI ports quantity *	1
Processor cores	16	HDMI version	2.1
Processor threads	16	Thunderbolt 4 ports quantity	1
Processor boost frequency	4.9 GHz	Intel® Thunderbolt 4	✓
Performance cores	4	Combo headphone/mic port	✓
Efficient cores	8	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-cores	4		
Performance-core Max Turbo Frequency	4.9 GHz		
Efficient-core Max Turbo Frequency	3.7 GHz		
Low Power Efficient-core Max Turbo Frequency	3.5 GHz		
Performance-core base frequency	2.1 GHz		
Efficient-core base frequency	1.6 GHz		
Low Power Efficient-core Base Frequency	1600 MHz		
Processor cache	18 MB		
Processor cache type	Smart Cache		
Processor socket	FCBGA2540		
Processor base power	25 W		
Maximum turbo power	80 W		
Neural processor unit (NPU)		Software	
Copilot+ PC	✗	Operating system architecture	64-bit
Neural processor unit (NPU)	Intel AI Boost	Microsoft Copilot	✓
Sparsity support	✓		
Windows Studio effects support	✓	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
AI software frameworks supported by NPU	OpenVINO, Windows ML, ONNX RT, WebNN	Operating system installed *	Windows 11 Home
NPU performance up to	50 TOPs		3-Month Google AI Pro Subscription
GPU performance up to	40 TOPs		6-Month Dropbox 500GB Subscription
			Subscription 1-Year ASUS Secure Auto-Backup 200GB Subscription
Memory			*Available in eligible markets only. Eligibility varies by region, device, and time. Terms and conditions apply. See promotion pages for details. 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.)
Internal memory *	32 GB		
Internal memory type	LPDDR5x-SDRAM	Bundled software	
Memory clock speed	8533 MHz		
Memory form factor	On-board		
Maximum internal memory *	32 GB		
Memory channels	Dual-channel		
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	90 Wh
Number of SSDs installed	1	Fast charging	✓
SSD capacity	1 TB	Fast charging time (50%)	30 min
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Card reader integrated	✓		
Compatible memory cards	SD		
Graphics		Power	
Discrete GPU manufacturer	NVIDIA	AC adapter power	250 W
Discrete graphics card model *	NVIDIA GeForce RTX 5080	AC adapter frequency	50 - 60 Hz
Discrete graphics card memory	16 GB	AC adapter input voltage	100 - 240 V
Discrete graphics memory type	GDDR7	AC adapter output current	12.5 A
On-board graphics card *	✓	AC adapter output voltage	20 V
On-board GPU manufacturer	Intel	DC-in jack	✓
		USB Type-C charging port *	✓
		USB Type-C required charging power (min) *	45 W
		USB Type-C required charging power (max) *	100 W
		USB Power Delivery (USB PD)	✓

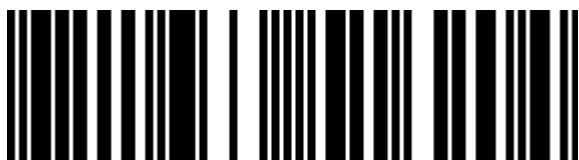
Security	
Face recognition	✓
Windows Hello	✓
Password protection	✓
Password protection type	BIOS, User
Weight & dimensions	
Width	354 mm
Depth	246 mm
Height (front)	1.49 cm
Height (rear)	1.79 cm
Weight *	1.95 kg
Packaging content	
AC adapter included *	✓



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Catalog Object Cloud



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