

ASUS ROG Zephyrus G16 GU606AR-TB008W Intel Core Ultra 9 386H Laptop 40.6 cm (16") 2.5K 32 GB LPDDR5x-SDRAM 1 TB SSD NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU Wi-Fi 7 (802.11be) Windows 11 Home Grey AZERTY Belgian



Brand : ASUS

Product family: ROG

Product code: 90NR0PC2-M005H0

Product name : GU606AR-TB008W

- Windows 11 Home 64-bit
- Intel Core Ultra 9 386H (18MB Cache)
- 16" 2.5K 2560 x 1600 OLED, NVIDIA GeForce RTX 5070 Ti Laptop GPU (12GB GDDR7)
- 32GB (8533MHz) LPDDR5x-SDRAM & 1000GB SSD

Intel Core Ultra 9 386H (18MB Cache), 32GB LPDDR5x-SDRAM, 1000GB SSD, 16" 2.5K 2560 x 1600 OLED, Intel Graphics, NVIDIA GeForce RTX 5070 Ti Laptop GPU (12GB GDDR7), WLAN, Webcam, Windows 11 Home 64-bit

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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 memory type	GDDR7
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Grey	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Housing material	Aluminium	On-board graphics card family	Intel® Graphics
Display back cover material	Plastic	On-board graphics card model *	Intel® Graphics
Market positioning	Gaming	Total Graphics Power (TGP)	125 W
Display		NVIDIA G-SYNC	✓
Display diagonal *	40.6 cm (16")	Audio	
Display resolution *	2560 x 1600 pixels	Audio system	Dolby Atmos
Touchscreen *	✗	Number of built-in speakers	6
HD type	2.5K	Built-in microphone	✓
Panel type	OLED	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera HD type	Full HD
Maximum display brightness (HDR)	1100 cd/m²	Infrared (IR) camera	✓
RGB colour space	DCI-P3	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		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		
Processor cores	16		

Processor	
Processor threads	16
Processor boost frequency	4.9 GHz
Performance cores	4
Efficient cores	8
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	4.9 GHz
Efficient-core Max Turbo Frequency	3.9 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 base power	25 W
Maximum turbo power	80 W
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	99 TOPs
NPU performance up to	50 TOPs
GPU performance up to	77 TOPs
Memory	
Internal memory *	32 GB
Internal memory type	LPDDR5x-SDRAM
Memory clock speed	8533 MHz
Memory form factor	On-board
Maximum internal memory *	32 GB
Memory channels	Dual-channel
Storage	
Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	SD
Graphics	
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU
Discrete graphics card memory	12 GB
Ports & interfaces	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
USB Type-C DisplayPort Alternate Mode	✓
Performance	
Repairability index	9.5
Keyboard	
Pointing device	Touchpad
Numeric keypad *	✗
Keyboard backlit	✓
Keyboard backlit colour	RGB
Keyboard backlit zone	1-zone RGB
Keyboard layout	AZERTY
Keyboard language	Belgian
Copilot key	✓
Software	
Operating system architecture	64-bit
Microsoft Copilot	✓
Trial software	1-month trial for new Microsoft 365 customers. Credit card required. McAfee® 30 days free trial
Operating system installed *	Windows 11 Home
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.)
Battery	
Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	90 Wh
Fast charging	✓
Fast charging time (50%)	30 min
Power	
AC adapter power	250 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	12.5 A
AC adapter output voltage	20 V
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	
Windows Hello	✓
Password protection	✓
Password protection type	BIOS, User
Weight & dimensions	
Width	354 mm

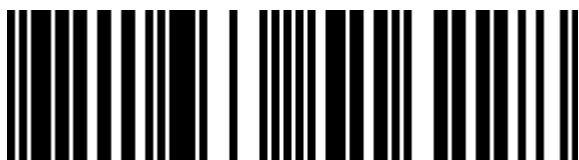
Weight & dimensions	
Depth	246 mm
Height (front)	1.49 cm
Height (rear)	1.79 cm
Weight *	1.95 kg
Packaging content	
AC adapter included *	✓



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Catalog Object Cloud



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