
**Notebook ASUS
ROG Zephyrus
GU606AW-
TB051W CPU
Intel Core Ultra
9 386H 16 2560
x 1600 pixels
RAM 32 GB
LPDDR5x-
SDRAM SSD
1000 GB
Discrete
graphics NVIDIA
GeForce RTX
5080 16 GB On-
board graphics
Yes OS installed
Windows 11
Home Colour
Grey Weight**

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**1.95 kg 8533
MHz 90NR0PG2-
M002C0**



Model: 90NR0PG2-M002C0

Manufacturer: ASUS

EAN: 4711636652605

Product Code: 636412

R113,467

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.

- Windows 11 Home 64-bit
- Intel Core Ultra 9 386H (18MB Cache)
- 16" 2.5K 2560 x 1600 OLED, NVIDIA GeForce RTX 5080 (16GB GDDR7)
- 32GB (8533MHz) LPDDR5x-SDRAM & 1000GB SSD

Summary: ASUS ROG Zephyrus G16 GU606AW-TB051W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 386H. Display diagonal: 40.6 cm (16"), HD type: 2.5K, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5080. Operating system installed: Windows 11 Home. Product colour: Grey | Vendor Homepage: _____

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<https://rog.asus.com/laptops/rog-zephyrus/rog-zephyrus-g16-2026/> | Efficient cores: 8 | Efficient-core base frequency: 1.6 | Efficient-core Max Turbo Frequency: 3.9 | Low Power Efficient-core Base Frequency: 1600 | Low Power Efficient-core Max Turbo Frequency: 3.5 | Low Power Efficient-cores: 4 | Maximum turbo power: 80 | Performance cores: 4 | Performance-core base frequency: 2.1 | Performance-core Max Turbo Frequency: 4.9 | Processor base power: 25 | Processor boost frequency: 4.9 | Processor cache: 18 | Processor cache type: Smart Cache | Processor cores: 16 | Processor family: Intel Core Ultra 9 | Processor generation: Intel® Core™ Ultra (Series 3) | Processor manufacturer: Intel | Processor model: 386H | Processor threads: 16 | Anti-glare screen: Yes | Colour gamut: 100 | Contrast ratio (typical): 1000000:1 | Display diagonal: 16 | Display resolution: 2560 x 1600 | HD type: 2.5K | High Dynamic Range (HDR) supported: Yes | Maximum display brightness (HDR): 1100 | Maximum refresh rate: 240 | Native aspect ratio: 16:10 | Panel type: OLED | RGB colour space: DCI-P3 | Touchscreen: No | Colour name: Eclipse Gray | Display back cover material: Plastic | Form factor: Clamshell | Housing material: Aluminium | Introduction year: 2026 | Market positioning: Gaming | Product colour: Grey | Product type: Laptop | AI software frameworks supported by NPU: DirectML/ONNX RT/OpenVINO/WebNN/Windows ML | GPU performance up to: 77 | Neural processor unit (NPU): Intel AI Boost | NPU performance up to: 50 | Sparsity support: Yes | Total processor performance up to: 99 | Windows Studio effects support: Yes | Internal memory: 32 | Internal memory type: LPDDR5x-SDRAM | Maximum internal memory: 32 | Memory channels: Dual-channel | Memory clock speed: 8533 | Memory form factor: On-board | Card reader integrated: Yes | Compatible memory cards: SD | Number of SSDs installed: 1 | NVMe: Yes | Optical drive type: No | SSD capacity: 1000 | SSD form factor: M.2 | SSD interface: PCI Express 4.0 | Storage media: SSD | Total SSDs capacity: 1000 | Total storage capacity: 1000 | Discrete GPU manufacturer: NVIDIA | Discrete graphics card: Yes | Discrete graphics card memory: 16 | Discrete graphics card model: NVIDIA GeForce RTX 5080 | Discrete graphics memory type: GDDR7 | NVIDIA G-SYNC: Yes | On-board GPU manufacturer: Intel | On-board graphics card: Yes | On-board graphics card family: Intel® Graphics | On-board graphics card model: Intel® Graphics | Total Graphics Power (TGP): 135 | Audio system: Dolby Atmos | Built-in microphone: Yes | Number of built-in speakers: 4 | Front camera: Yes | Front camera HD type: Full HD | Front camera resolution: 1920 x 1080 | Infrared (IR) camera: Yes | Antenna type: 2x2 | Bluetooth: Yes | Bluetooth version: 6.0 | Ethernet LAN: No | Mobile network connection: No | Top Wi-Fi standard: Wi-Fi 7 (802.11be) | Wi-Fi standards: Wi-Fi 7 (802.11be) | Combo headphone/mic port: Yes | HDMI ports quantity: 1 | HDMI version: 2.1 | Intel® Thunderbolt 4: Yes | Thunderbolt 4 ports quantity: 1 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity: 2 | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity: 1 | USB Type-C DisplayPort Alternate Mode: Yes | Copilot

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key: Yes | Keyboard backlit: Yes | Keyboard backlit colour: RGB | Keyboard backlit zone: 1-zone RGB | Numeric keypad: No | Pointing device: Touchpad | 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.) | Operating system architecture: 64-bit | Operating system installed: Windows 11 Home | Trial software: 1-month trial for new Microsoft 365 customers. | Battery capacity: 90 | Battery technology: Lithium-Ion (Li-Ion) | Number of battery cells: 4 | AC adapter frequency: 50 - 60 | AC adapter input voltage: 100 - 240 | AC adapter output current: 12.5 | AC adapter output voltage: 20 | AC adapter power: 250 | USB Power Delivery (USB PD): Yes | USB Type-C charging port: Yes | USB Type-C required charging power (max): 100 | USB Type-C required charging power (min): 45 | Face recognition: Yes | Password protection: Yes | Password protection type: BIOS/User | Windows Hello: Yes | Depth: 246 | Height (front): 14.9 | Height (rear): 17.9 | Weight: 1950 | Width: 354 | AC adapter included: Yes | Bag included: Yes | Packaging content: ROG Zephyrus G16 Sleeve (2026) | NB Family name: ROG Zephyrus | Model name: GU606AW-TB051W | Units per Shipping Box: 1 | Unit Calculated Volume: 0.0187433 | Unit Calculated Weight: 4.8

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