



Part No	90NR0PE1-M002C0
Sales Model Name	ZEPHYRUS-G16-GU606AX-DR8W
EAN Code	4711636447379
UPC Code	199291447370
BASE UNIT	VSNR0PE1-BU1100
Marketing Name	ROG Zephyrus G16
Operating System	Windows 11 Home
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Color	Platinum White
Dimension (W x D x H)	35.4 x 24.6 x 1.49 ~ 1.79 cm (13.94" x 9.69" x 0.59" ~ 0.70")
Dimension for keyboard (W x D x H)	Dimension of keyboard: %.? x %.? x %.?? cm
Weight	1.95 Kg (4.30 lbs)
Processor	Intel® Core™ Ultra 9 Processor 386H 2.1 GHz (18MB Cache, up to 4.9 GHz, 16 cores, 16 Threads); Intel® NPU up to 50TOPS
Chipset	N/A
Intergrated GPU	Intel® Graphics
Discrete/Optimus	MUX Switch + NVIDIA® Advanced Optimus
Graphic	NVIDIA® GeForce RTX™ 5090 Laptop GPU
Graphic Memory	24GB GDDR7
Neural Processor	Intel® NPU up to 50TOPS
Panel Size	16-inch
Resolution	2.5K (2560 x 1600, WQXGA) OLED 16:10 aspect ratio
Refresh Rate	240Hz
Viewing Angle	89/89/89/89
Panel Tech	OLED
Brightness	1100 nits (Peak)
Contrast Ratio	1,000,000:1
Surface texture of display	Anti-reflection display
Adaptive-Sync technology	G-Sync
Pantone	Pantone Validated
Nebula Display	ROG Nebula HDR Display
Support Dolby Vision HDR	Yes
On board memory	64GB LPDDR5X 8533 on board(Actual memory speeds may vary by CPU configuration.)
Total System Memory	LPDDR5X 64GB
Memory Slot	No expansion possible

Memory Max.	64GB
Multi-channel memory technology	Support dual channel memory technology
Storage	2TB PCIe® 4.0 NVMe™ M.2 SSD
M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	1TB M.2 NVMe™ PCIe® G5x4 Performance SSD (ACC only) 2TB M.2 NVMe™ PCIe® G5x4 Performance SSD (ACC only) 1TB M.2 NVMe™ PCIe® G4x4 Value SSD 2TB M.2 NVMe™ PCIe® G4x4 Value SSD
Expansion Slot (includes used)	2x M.2 PCIe
LAN	N/A
Wireless	Wi-Fi 7(802.11be) (Triple band) 2*2 + Bluetooth® 6.0 Wireless Card (*Bluetooth® version may change with OS version different.)
I/O Ports	1x Thunderbolt™ 4 with support for DisplayPort™ / power delivery (data speed up to 40Gbps) 1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 10Gbps) 2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps) 1x card reader (SD) (UHS-II, 312MB/s)
Display output	1x HDMI 2.1 FRL
Camera	1080P FHD IR Camera for Windows Hello
Mic	Built-in array microphone
Keyboard Type	Backlit Chiclet Keyboard 1-Zone RGB With Copilot key *Copilot in Windows (in preview) is rolling out gradually within the latest update to Windows 11 in select global markets. Timing of availability varies by device and market. Learn more: https://www.microsoft.com/en-us/windows/copilot-ai-features?r=1#faq
Aura Sync	N/A
Touchpad	Touchpad N/A
Speakers	4-speaker (dual-force woofer) system with Smart Amplifier Technology, 2 Tweeters
Audio	1x 3.5mm Combo Audio Jack Built-in array microphone
Audio Tech	AI noise-canceling technology Dolby Atmos Smart Amp Technology
Security	BIOS Administrator Password and User Password Protection Pluton Security Processor Secured-core PC (Level 3)
Antivirus	McAfee® 30 days free trial
Battery	90WHrs, 4S1P, 4-cell Li-ion
Fast charging	Recharge from 0-50% in 30 minutes
Power	Rectangle Conn, 250W AC Adapter, Output: 20V DC, 12.5A, 250W, Input: 100-240V AC, 50/60Hz universal
Required charging power	Min: 45W Max: 100W *The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher.
Xbox Game Pass	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.)
Ecolabels & Compliances	N/A

