

Model	GU605MY / 90NR0IQ5-M001U0
Marketing Name	ROG Zephyrus G16
Operating System	Windows 11 Home
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Color	Eclipse Gray
Dimension (W x D x H)	35.4 x 24.6 x 1.49 ~ 1.74 cm (13.94" x 9.69" x 0.59" ~ 0.69")
Weight	1.95 Kg (4.30 lbs)
Processor	Intel® Core™ Ultra 9 Processor 185H 2.3 GHz (24MB Cache, up to 5.1 GHz, 16 cores, 22 Threads); Intel® AI Boost NPU
Chipset	N/A
Intergrated GPU	Intel® Arc™ Graphics
Discrete/Optimus	MUX Switch + NVIDIA® Advanced Optimus
Graphic	NVIDIA® GeForce RTX™ 4090 Laptop GPU (686 AI TOPs)
Graphic Wattage	ROG Boost: 1700MHz* at 115W (1650MHz Boost Clock+50MHz OC, 95W+20W Dynamic Boost)
Graphic Memory	16GB GDDR6
Neural Processor	Intel® AI Boost NPU
Panel Size	16-inch
Resolution	2.5K (2560 x 1600, WQXGA) 16:10 aspect ratio
Refresh Rate	240Hz
Response Time (G2G)	0.2ms
Viewing Angle	89/89/89/89
Panel Tech	OLED
Brightness	500nits
Contrast Ratio	1,000,000:1
DCI-P3 %	100%
Glare	Glossy display
Adaptive-Sync technology	G-Sync
Pantone	Pantone Validated

Nebula Display	ROG Nebula Display
Support Dolby Vision HDR	Yes
On board memory	16GB*2 LPDDR5X 7467 on board(Rated speed of RAM module. Actual memory speeds may vary by CPU configuration.)
Total System Memory	LPDDR5X 32GB
Memory Slot	N/A
Memory Max.	32GB
Multi-channel memory technology	Support dual channel memory
Storage	2TB PCIe® 4.0 NVMe™ M.2 Performance SSD
M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	PCIe G4 SSD M.2 2280 512G SSD M.2 2280 1TB SSD M.2 2280 2TB
Expansion Slot (includes used)	2x M.2 PCIe
LAN	N/A
Wireless	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 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 (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 3-microphone array
Keyboard Type	Backlit Chiclet Keyboard 1-Zone RGB
Aura Sync	Yes
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 3-microphone array

Audio Tech	AI noise-canceling technology Dolby Atmos Hi-Res certification (for headphone) Smart Amp Technology
Security	BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)
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, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal
Xbox Game Pass	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.)
Ecolabels & Compliances	N/A
Reparability Index (for France)	8.0