



Part No	90NR0BR3-M002T0
Model Name	GU604VY-XS97
EAN Code	4711387031285
UPC Code	197105031289
Marketing Name	ROG Zephyrus M16
Color	Off Black
Dimension (W x D x H)	35.5 x 24.6 x 1.99 ~ 2.23 cm
Weight	2.10 Kg
Processor	13th Gen Intel® Core™ i9-13900H Processor 2.6 GHz (24M Cache, up to 5.4 GHz, 14 cores: 6 P-cores and 8 E-cores)
Chipset	TBD
Discrete/Optimus	MUX Switch + NVIDIA® Advanced Optimus
Graphic	NVIDIA® GeForce RTX™ 4090 Laptop GPU
Graphic Wattage	ROG Boost: 1505 MHz* at 145W (1455MHz Boost Clock+50MHz OC, 120W+25W Dynamic Boost)
Graphic Memory	16GB GDDR6
IGPU	Intel® UHD Graphics 630
Panel Size	16-inch
Resolution	QHD+ 16:10 (2560 x 1600, WQXGA)
Refresh Rate	240Hz
Response Time (G2G)	3ms
Viewing Angle	85/85/85/85
Panel Tech	Mini LED
Brightness	1200nits
Contrast	20000:1
DCI-P3 %	100%
Anti glare	Anti-glare display
Adaptive-Sync technology	G-Sync
Pantone	Pantone Validated
Nebula Display	ROG Nebula HDR Display
Support Dolby Vision HDR	Yes
On board memory	N/A
DIMM Memory	16GB DDR5-4800 SO-DIMM *2
Total System Memory	DDR5 32GB
Memory Slot	2x SO-DIMM slots
Memory Max.	64GB
Multi-channel memory technology	Support dual channel memory
System Storage Installed	2TB PCIe® 4.0 NVMe™ M.2 Performance SSD

M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	Performance PCIe G4x4 SSD M2 2280 P4X4 512G SSD M2 2280 P4X4 1TB SSD M2 2280 P4X4 2TB
Expansion Slot (includes used)	2x DDR5 SO-DIMM slots
LAN	N/A
Wi-Fi/Bluetooth	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.2 (*Bluetooth® version may change with OS version different.)
I/O Ports	1x Thunderbolt™ 4 support DisplayPort™ / power delivery 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery 2x USB 3.2 Gen 2 Type-A 1x card reader (microSD) (UHS-II, 312MB/s)
Display output	1x HDMI 2.1 FRL
Audio	1x 3.5mm Combo Audio Jack
Webcam	1080P FHD IR Camera for Windows Hello
Mic	Built-in 3-microphone array
Keyboard Type	Backlit Chiclet Keyboard 1-Zone RGB
NumberPad	N/A
Aura Sync	Yes
Speakers	2x 2W dual-force woofer with Smart Amp Technology 2x 2W Tweeter
Audio Tech	AI noise-canceling technology Dolby Atmos Hi-Res certification Smart Amp Technology
Operating System	Windows 11 Pro
Antivirus	MCAFEES_30D
Xbox Game Pass	Xbox Game Pass Ultimate_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Security	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)
Battery	90WHrs, 4S1P, 4-cell Li-ion
Power	ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240C AC 50/60Hz universal

