

Model	G635LX / 90NR0L81-M00540
Marketing Name	ROG Strix SCAR 16
Operating System	Windows 11 Pro
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Color	Off Black
Top case-material	Aluminum
LCD cover-material	Texture plastic
Bottom case-material	Texture plastic
Dimension (W x D x H)	35.4 x 26.8 x 2.28 ~ 3.08 cm (13.94" x 10.55" x 0.90" ~ 1.21")
Weight	2.80 Kg (6.17 lbs)
Processor	Intel® Core™ Ultra 9 Processor 275HX 2.7 GHz (36MB Cache, up to 5.4 GHz, 24 cores, 24 Threads); Intel® AI Boost NPU up to 13TOPS
Chipset	Mobile Intel® HM870 Express Chipsets
Intergrated GPU	Intel® UHD Graphics
Discrete/Optimus	MUX Switch + NVIDIA® Advanced Optimus
Graphic	NVIDIA® GeForce RTX™ 5090 Laptop GPU
Graphic Wattage	ROG Boost: 1647MHz* at 175W (1597MHz Boost Clock+50MHz OC, 150W+25W Dynamic Boost)
Graphic Memory	24GB GDDR7
Neural Processor	Intel® AI Boost NPU up to 13TOPS
Panel Size	16-inch
Resolution	2.5K (2560 x 1600, WQXGA) 16:10 aspect ratio
Refresh Rate	240Hz
Response Time (G2G)	3ms
Viewing Angle	170
Panel Tech	Mini LED
Brightness	1200nits
Contrast Ratio	100000:1
DCI-P3 %	100%

Surface texture of display	Anti-glare(AG) display
Adaptive-Sync technology	G-Sync
Pantone	Pantone Validated
Nebula Display	ROG Nebula HDR Display
Support Dolby Vision HDR	Yes
Thermal Feature	ROG intelligent cooling
On board memory	N/A
DIMM Memory	32GB DDR5-5600 SO-DIMM *2 The memory speed of the systems vary by CPU SPEC
Total System Memory	DDR5 64GB
Memory Slot	2x SO-DIMM slots
Memory Max.	64GB
Multi-channel memory technology	Support dual channel memory technology
Storage	2TB PCIe® 4.0 NVMe™ M.2 Performance SSD
M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	1TB /2TB G4x4 PCIe SSD 1TB /2TB / 4TB G5x4 PCIe SSD (for L_G project)
Expansion Slot (includes used)	2x DDR5 SO-DIMM slots 2x M.2 PCIe
LAN	10/100/1000/2500 Mbps
Wireless	Wi-Fi 7(802.11be) (Triple band) 2*2+Bluetooth® 5.4 Wireless Card (*Bluetooth® version may change with OS version different.)
I/O Ports	2x Thunderbolt™ 5 with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 120Gbps) 3x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps) 1x 2.5G LAN port
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 Per-Key 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	Yes
Touchpad	Touchpad Support NumberPad
Speakers	4-speaker system with Smart Amplifier Technology
Audio	1x 3.5mm Combo Audio Jack Built-in array microphone
Audio Tech	Dolby Atmos Hi-Res certification (for headphone) AI noise-canceling technology 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
Charger included	Included
Power	Rectangle Conn, 380W AC Adapter, Output: 20V DC, 19A, 380W, Input: 100-240V AC, 50/60Hz universal
Required charging power	Min: 45W Max: 100W
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.)
Included in the Box	ROG backpack
Ecolabels & Compliances	N/A
Reparability Index (for France)	9.9
Reparability Index (for BNL)	9.7