



Part No	90NR0LF1-M00L00
Sales Model Name	SCAR18-G835LXG-DRTQ418W
EAN Code	4711636447584
UPC Code	199291447585
WEEE	4.429
BASE UNIT	VSNR0LF1-BU4100
Marketing Name	ROG Strix SCAR 18
Operating System	Windows 11 Home
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Exclusive subscription offers	3-Month Google AI Pro Subscription 6-Month Dropbox 500GB Subscription 1-Year ASUS Secure Auto-Backup 200GB Subscription *Available in eligible markets only. Eligibility varies by region, device, and time. Terms and conditions apply. See promotion pages for details.
Color	Off Black
LCD cover-material	Aluminum
Top case-material	Plastic with Soft Touch IMR
Bottom case-material	Texture plastic
Dimension (W x D x H)	39.9 x 29.8 x 2.35 ~ 3.50 cm (15.71" x 11.73" x 0.93" ~ 1.38")
Weight	3.73 Kg (8.22 lbs)
Processor	Intel® Core™ Ultra 9 Processor 290HX Plus 2.7 GHz (36MB Cache, up to 5.5 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	18-inch
Resolution	4K (3840 x 2400, WQUXGA) 16:10 aspect ratio
Refresh Rate	240Hz Default refresh rate is 120Hz in Standard, Eco, and Optimized GPU modes. To enable 240Hz, open Armoury Crate and set the GPU mode to Ultimate.
Viewing Angle	85/85/85/85
Panel Tech	Mini LED

Brightness	1600nits (OPR3%)
Contrast Ratio	100000:1
DCI-P3 %	100%
Surface texture of display	Anti-glare and low-reflection(AGLR) 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 DDR5-6400 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.	128GB
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 4TB G5x4 PCIe SSD
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	1x 2.5G LAN port 3x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps) 2x Thunderbolt™ 5 with support for DisplayPort™ / power delivery / G-SYNC (data speed up to 120Gbps)
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 Num-key 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 N/A
Speakers	4-speaker system with Smart Amplifier Technology
Audio	1x 3.5mm Combo Audio Jack Built-in array microphone
Audio Tech	Hi-Res certification (for headphone) Smart Amp Technology AI noise-canceling technology Dolby Atmos
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, 450W AC Adapter, Output: 21V DC, 21.45A, 450W, 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
Reparability Index (for France)	9.9
Reparability Index (for BNL)	9.7

