



Part No	90NR0CC1-M00FF0
Model Name	G614JU-N3170W
EAN Code	4711387234617
UPC Code	197105234611
Marketing Name	ROG Strix G16
Color	Eclipse Gray
Dimension (W x D x H)	35.4 x 26.4 x 2.26 ~ 3.04 cm (13.94" x 10.39" x 0.89" ~ 1.20")
Weight	2.50 Kg (5.51 lbs)
Processor	13th Gen Intel® Core™ i5-13450HX Processor 2.4 GHz (20M Cache, up to 4.6 GHz, 10 cores: 6 P-cores and 4 E-cores)
Chipset	Mobile Intel® HM770 Express Chipsets
Discrete/Optimus	MUX Switch + NVIDIA® Advanced Optimus
Graphic	NVIDIA® GeForce RTX™ 4050 Laptop GPU
Graphic Wattage	ROG Boost: 2420MHz* at 140W (2370MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost)
Graphic Memory	6GB GDDR6
IGPU	Intel® UHD Graphics
Panel Size	16-inch
Resolution	FHD+ 16:10 (1920 x 1200, WUXGA)
Refresh Rate	165Hz
Response Time (G2G)	7ms
Viewing Angle	170
Panel Tech	IPS-level
Brightness	250nits
Contrast	1000:1
SRGB %	100%
Anti glare	Anti-glare display
Adaptive-Sync technology	G-Sync
Pantone	N/A
Support Dolby Vision HDR	Yes
Thermal Feature	ROG intelligent cooling
On board memory	N/A
DIMM Memory	8GB DDR5-4800 SO-DIMM *2
Total System Memory	DDR5 16GB
Memory Slot	2x SO-DIMM slots
Memory Max.	32GB
Multi-channel memory technology	Support dual channel memory
System Storage Installed	1TB PCIe® 4.0 NVMe™ M.2 SSD

M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	512G/ 1TB /2TB G4x4 PCIe SSD 2x DDR5 SO-DIMM slots
Expansion Slot (includes used)	2x PCIe
LAN	10/100/1000 Mbps
Wi-Fi/Bluetooth	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.3 Wireless Card (*Bluetooth® version may change with OS version different.) 1x RJ45 LAN port 1x Thunderbolt™ 4 support DisplayPort™ 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC
I/O Ports	2x USB 3.2 Gen 2 Type-A
Display output	1x HDMI 2.1 FRL
Audio	1x 3.5mm Combo Audio Jack
Webcam	720P HD camera
Mic	Built-in array microphone
Keyboard Type	Backlit Chiclet Keyboard 4-Zone RGB
NumberPad	N/A
Aura Sync	Yes
Speakers	2-speaker system with Smart Amplifier Technology AI noise-canceling technology Dolby Atmos Hi-Res certification Smart Amp Technology
Audio Tech	Support Microsoft Cortana near field/Far field
Operating System	Windows 11 Home
Antivirus	McAfee® 30 days free trial
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 Trusted Platform Module (Firmware TPM)
Battery	90WHrs, 4S1P, 4-cell Li-ion
Fast charging	Recharge from 0-50% in 30 minutes
Power	ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240C AC 50/60Hz universal
Ecolabels & Compliances	ENERGY STAR®
Reparability Index (for FR)	8.6

