

G614JV-N3180 - Model Specification

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FULL DETAIL

Part No	90NR0C61-M00BX0
Model Name	G614JV-N3180
EAN Code	4711387110164
UPC Code	197105110168
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
Weight	2.50 Kg
Processor	13th Gen Intel Core i7-13650HX Processor 2.6 GHz 24M Cache, up to 4.9 GHz, 14 cores: 6 P-cores and 8 E-cores
Chipset	Mobile Intel HM770 Express Chipsets
Discrete/Optimus	MUX Switch + NVIDIA Advanced Optimus
Graphic	NVIDIA GeForce RTX 4060 Laptop GPU
Graphic Wattage	ROG Boost: 2420MHz* at 140W (2370MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost)
Graphic Memory	8GB 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
Support Dolby Vision HDR	Yes
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
Expansion Slot (includes used)	2x DDR5 SO-DIMM slots 2x PCIe
LAN	10/100/1000 Mbps
Wi-Fi/Bluetooth	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth 5.2 (*Bluetooth version may change with OS version)
I/O Ports	1x RJ45 LAN port 1x Thunderbolt 4 support DisplayPort 1x USB 3.2 Gen 2 Type-C support DisplayPort / power delivery / G-SYNC 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
Aura Sync	Yes
Speakers	2-speaker system with Smart Amplifier Technology
Audio Tech	AI noise-canceling technology Dolby Atmos Hi-Res certification Smart Amp Technology Support Microsoft Cortana near field/Far field
Operating System	No preinstalled OS
Security	BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)
Battery	90WHrs, 4S1P, 4-cell Li-ion
Power	6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240C AC 50/60Hz universal
Reparability Index (for FR)	8.6