

GV601RW-M6014W - Model Specification

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FULL DETAIL

Part No	90NR0AN2-M000H0
Model Name	GV601RW-M6014W
EAN Code	4711081750239
UPC Code	195553750233
Marketing Name	ROG Flow X16
Color	Eclipse Gray
Dimension (W x D x H)	35.5 x 24.3 x 1.94 ~ 1.94 cm
Weight	2.00 Kg
Processor	AMD Ryzen 9 6900HS Mobile Processor (8-core/16-thread, 16MB cache, up to 4.9 GHz max boost)
Discrete/Optimus	MUX Switch + Optimus
Graphic	NVIDIA GeForce RTX 3070 Ti Laptop GPU
Graphic Wattage	GPU:80W+20W(mode 2)+25W(PPAB)=125W in Turbo mode
Graphic Memory	8GB GDDR6
IGPU	AMD Radeon 680M
Panel Size	16-inch
Resolution	WQXGA (2560 x 1600) 16:10
Refresh Rate	165Hz
Response Time (G2G)	3ms
Touch Screen	Touch Screen
Viewing Angle	85/85/85/85
Panel Tech	IPS-level
Brightness	500nits
Contrast	1200:1
DCI-P3 %	100%
Anti glare	anti-glare display
Adaptive-Sync technology	Adaptive-Sync
Pantone	Pantone Validated
Nebula Display	ROG Nebula Display
Support Dolby Vision HDR	Yes
Support stylus	Yes
Total System Memory	8GB DDR5-4800 SO-DIMM *2
Memory Slot	2x SO-DIMM slots
DIMM Memory	8GB DDR5-4800 SO-DIMM *2
Memory Max.	64GB
System Storage Installed	1TB M.2 NVMe PCIe 4.0 Performance SSD
M.2 slots support either SATA or N 2	
M.2 SSD Support List	1. 2x Performance PCIe*4x4 SSD_x000D_ 2. 512G / 1TB / 2TB
How to upgrade memory	Upgradable
Expansion Slot (includes used)	2x DDR5 SO-DIMM slots
Wi-Fi/Bluetooth	Wi-Fi 6E(802.11ax)+Bluetooth 5.2 (Dual band) 2*2 (*BT version may change with OS upgrades.)
I/O Ports	1x ROG XG Mobile Interface 1x USB 3.2 Gen 2 Type-C support DisplayPort / power delivery 1x USB 3.2 Gen 2 Type-C support DisplayPort / power delivery / G-SYNC

	2x USB 3.2 Gen 2 Type-A 1x card reader (microSD) (UHS-II, 312MB/s)
Display output	1x HDMI 2.1 support HDMI switch
Audio	1x 3.5mm Combo Audio Jack
Webcam	720P HD IR Camera for Windows Hello
Mic	Built-in 3-microphone array
Keyboard Type	Backlit Chiclet Keyboard RGB
Aura Sync	Yes
Speakers	4-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	Windows 11 Home
Antivirus	MCAFEE_30D
Security	BIOS Administrator Password and User Password Protection
Battery	90WHrs, 4S1P, 4-cell Li-ion
Power	6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal
Additional Accessories	ASUS PEN (SA201H)