

ASUS ROG Strix G16 G614PP-RV021W AMD Ryzen™ 9 8940HX Laptop 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0L67-M002R0

Product name : G614PP-RV021W



- Windows 11 Home 64-bit
 - AMD Ryzen 9 8940HX (2.4GHz)
 - 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, NVIDIA GeForce RTX 5070 (8GB GDDR7)
 - 32GB (5200MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
- AMD Ryzen 9 8940HX (2.4GHz), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, AMD Radeon 610M, NVIDIA GeForce RTX 5070 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

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UNITE YOUR SQUAD. RISE TO VICTORY.

Reach new heights of Windows 11 Pro gaming with the 2025 ROG Strix G16, boasting up to an AMD Ryzen™ 9 9955HX3D processor and up to an NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU with a max TDP of 140W.

Design		Camera	
Colour name	Eclipse Gray	Front camera	✓
Product type *	Laptop	Front camera HD type	Full HD
Product colour *	Black, Grey	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Housing material	Plastic	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Market positioning	Gaming	Mobile network connection *	✗
Introduction year	2025	Antenna type	2x2
Display		Ethernet LAN	✓
Display diagonal *	40.6 cm (16")	Ethernet LAN data rates	10,100,1000 Mbit/s
Display resolution *	1920 x 1200 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.3
HD type	WUXGA	Ports & interfaces	
Panel type	IPS-Level	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Native aspect ratio	16:10	USB4 Gen 3x2 ports quantity	2
Anti-glare screen	✓	Ethernet LAN (RJ-45) ports	1
Display brightness	300 cd/m ²	HDMI ports quantity *	1
RGB colour space	sRGB	HDMI version	2.1
Colour gamut	100%	Combo headphone/mic port	✓
Display response rise/fall	3 ms	Power adapter barrel connector	6.0 mm
Maximum refresh rate	165 Hz	USB Type-C DisplayPort Alternate Mode	✓
Contrast ratio (typical)	1000:1	Keyboard	
High Dynamic Range (HDR) supported	✓	Pointing device	Touchpad
High Dynamic Range (HDR) technology	Dolby Vision	Numeric keypad *	✗
Processor		Keyboard backlit	✓
Processor manufacturer *	AMD	Keyboard backlit colour	RGB
Processor family *	AMD Ryzen™ 9		

Processor		Keyboard	
Processor generation	AMD Ryzen 8000 Series	Keyboard backlit zone	4-zone RGB
Processor model *	8940HX	Copilot key	✓
Processor cores	16	Software	
Processor threads	32	Operating system architecture	64-bit
Processor boost frequency	5.3 GHz	Microsoft Copilot	✓
Processor frequency *	2.4 GHz	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Processor cache type	L2 & L3	Operating system installed *	Windows 11 Home
L3 cache	64 MB		Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
L2 cache	16 MB	Bundled software	
Memory		Battery	
Internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	DDR5-SDRAM	Number of battery cells	4
Memory clock speed	5200 MHz	Battery capacity *	90 Wh
Memory form factor	SO-DIMM	Fast charging	✓
Memory layout (slots x size)	2 x 16 GB	Fast charging time (50%)	30 min
Memory slots	2x SO-DIMM	Power	
Maximum internal memory *	64 GB	AC adapter power	280 W
Storage		AC adapter frequency	50 - 60 Hz
Total storage capacity *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	AC adapter output current	14 A
Total SSDs capacity	1 TB	AC adapter output voltage	20 V
Number of SSDs installed	1	DC-in jack	✓
SSD capacity	1 TB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Type-C required charging power (min) *	45 W
NVMe	✓	USB Type-C required charging power (max) *	100 W
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	Security	
Card reader integrated	✗	Trusted Platform Module (TPM)	✓
Graphics		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	BIOS, User
Discrete graphics card model *	NVIDIA GeForce RTX 5070	Weight & dimensions	
Discrete graphics card memory	8 GB	Width	354 mm
Discrete graphics memory type	GDDR7	Depth	264 mm
On-board graphics card *	✓	Height (front)	2.26 cm
On-board GPU manufacturer	AMD	Height (rear)	3.04 cm
Discrete graphics card *	✓	Weight *	2.5 kg
On-board graphics card family	AMD Radeon	Packaging content	
On-board graphics card model *	AMD Radeon 610M	AC adapter included *	✓
NVIDIA G-SYNC	✓		
Audio			
Audio system	Smart Amp		
Number of built-in speakers	2		
Built-in microphone	✓		



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Catalog Object Cloud



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