

# ASUS ROG Strix G16 G614PH-RV007W AMD Ryzen™ 9 8940HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5050 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey

**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0KX7-M000V0

**Product name :** G614PH-RV007W

- AMD Ryzen™ 9 8940HX Processor
  - An NVIDIA® GeForce RTX™ 5050 Laptop GPU with NVIDIA Advanced Optimus
  - Dazzling 16-inch WUXGA 1920x1200 165Hz
  - Featuring a 16:10 aspect ratio and 100% DCI-P3 coverage
  - Game with confidence thanks to Tri-Fan Technology, full-surround vents, and Conductionaut Extreme liquid metal
  - Dolby Vision and Dolby Atmos support for immersive content
- AMD Ryzen 9 8940HX (2.4GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, AMD Radeon 610M, NVIDIA GeForce RTX 5050 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

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## Raise your game. Carry your squad.

Game with confidence thanks to the raw horsepower of the 2024 Strix G16. Powered by an AMD Ryzen™ 9 8940HX and an NVIDIA® GeForce® RTX 5050 Laptop GPU with a dedicated MUX Switch and NVIDIA Advanced Optimus, be ready to dominate the competition in all of the latest games. Sporting 16-inch and full-surround heat sinks with Tri-fan Technology, the Strix G16 is here to change the way you game.



Design		Audio	
Colour name	Eclipse Gray	Number of built-in speakers	2
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black, Grey	Camera	
Form factor *	Clamshell	Front camera	✓
Housing material	Plastic	Front camera HD type	Full HD
Market positioning	Gaming	Network	
Introduction year	2025	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display diagonal *	40.6 cm (16")	Mobile network connection *	✗
Display resolution *	1920 x 1200 pixels	Antenna type	2x2
Touchscreen *	✗	Ethernet LAN	✓
HD type	WUXGA	Ethernet LAN data rates	10,100,1000 Mbit/s
Panel type	IPS-Level	Bluetooth	✓
Native aspect ratio	16:10	Bluetooth version	5.3
Anti-glare screen	✓	Ports & interfaces	
Display brightness	300 cd/m²	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
RGB colour space	sRGB	USB4 Gen 3x2 ports quantity	2
Colour gamut	100%	Ethernet LAN (RJ-45) ports	1
Display response rise/fall	3 ms	HDMI ports quantity *	1
Maximum refresh rate	165 Hz	HDMI version	2.1
Contrast ratio (typical)	1000:1	Combo headphone/mic port	✓
High Dynamic Range (HDR) supported	✓	Power adapter barrel connector	6.0 mm
High Dynamic Range (HDR) technology	Dolby Vision	USB Type-C DisplayPort Alternate Mode	✓
Processor		Keyboard	
Processor manufacturer *	AMD	Pointing device	Touchpad
Processor family *	AMD Ryzen™ 9		

Processor		Keyboard	
Processor generation	AMD Ryzen 8000 Series	Numeric keypad *	✗
Processor model *	8940HX	Keyboard backlit	✓
Processor cores	16	Keyboard backlit colour	RGB
Processor threads	32	Keyboard backlit zone	4-zone RGB
Processor boost frequency	5.3 GHz	Copilot key	✓
Processor frequency *	2.4 GHz	Software	
L3 cache	64 MB	Operating system architecture	64-bit
L2 cache	16 MB	Microsoft Copilot	✓
Processor cache type	L2 & L3	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Memory		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	Bundled software	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.)
Internal memory type	DDR5-SDRAM		
Memory clock speed	5200 MHz		
Memory form factor	SO-DIMM		
Memory layout (slots x size)	2 x 16 GB		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	90 Wh
Number of SSDs installed	1	Fast charging	✓
SSD capacity	1 TB	Fast charging time (50%)	30 min
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	280 W
SSD form factor	M.2	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Card reader integrated	✗	AC adapter output current	14 A
Graphics		AC adapter output voltage	20 V
Discrete GPU manufacturer	NVIDIA	DC-in jack	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5050	USB Type-C charging port *	✓
Discrete graphics card memory	8 GB	USB Power Delivery (USB PD)	✓
Discrete graphics memory type	GDDR7	Security	
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board GPU manufacturer	AMD	Password protection	✓
Discrete graphics card *	✓	Password protection type	BIOS, User
On-board graphics card family	AMD Radeon	Weight & dimensions	
On-board graphics card model *	AMD Radeon 610M	Width	354 mm
NVIDIA G-SYNC	✓	Depth	264 mm
Audio		Height (front)	2.26 cm
Audio system	Smart Amp	Height (rear)	3.04 cm
		Weight *	2.5 kg
		Packaging content	
		AC adapter included *	✓



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### Catalog Object Cloud



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