

ASUS ROG Strix G16 G614PM-RV007W AMD Ryzen™ 9 8940HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0KW7-M000F0

Product name : G614PM-RV007W

- Windows 11 Home 64-bit
 - AMD Ryzen 9 8940HX (64MB Cache, 2.4GHz)
 - 40.6 cm (16") WUXGA 1920 x 1200, NVIDIA GeForce RTX 5060 (8GB GDDR7)
 - 16GB (5600MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD
 AMD Ryzen 9 8940HX (64MB Cache, 2.4GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200, AMD Radeon 610M, NVIDIA GeForce RTX 5060 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G16 G614PM-RV007W AMD Ryzen™ 9 8940HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey:

Power up your play

Draw more frames and win more games with the brand new Strix G16 and Windows 11 Pro. Powered by up to an AMD Ryzen™ 9 9955HX3D processor and up to an NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU boasting a max TGP of 140W with Dynamic Boost, be ready to dominate the competition in all of the latest games. With up to 32GB of 5600MHz DDR5 RAM and PCIe Gen 4.0 SSD storage, and the ability to upgrade one slot to a PCIe Gen 5 drive*, large game libraries and intense multitasking sessions are a breeze for this gaming machine.



Design		Network	
Colour name	Eclipse Gray	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Product type *	Laptop	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Black, Grey	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Housing material	Plastic	Ethernet LAN	✓
Market positioning	Gaming	Ethernet LAN data rates	10,100,1000 Mbit/s
Introduction year	2025	Bluetooth	✓
Country of origin	China	Bluetooth version	5.3
Display		Ports & interfaces	
Display diagonal *	40.6 cm (16")	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Display resolution *	1920 x 1200 pixels	USB4 Gen 3x2 ports quantity	2
Touchscreen *	✗	Ethernet LAN (RJ-45) ports	1
HD type	WUXGA	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
Anti-glare screen	✓	Combo headphone/mic port	✓
Display brightness	300 cd/m²	Power adapter barrel connector	6.0 mm
RGB colour space	sRGB	USB Type-C DisplayPort Alternate Mode	✓
Colour gamut	100%		
Display response rise/fall	3 ms		
Maximum refresh rate	165 Hz		
Contrast ratio (typical)	1000:1		
High Dynamic Range (HDR) supported	✓		
High Dynamic Range (HDR) technology	Dolby Vision		
Processor		Keyboard	
Processor manufacturer *	AMD	Pointing device	Touchpad
Processor family *	AMD Ryzen™ 9	Numeric keypad *	✗
		Keyboard backlit	✓
		Keyboard backlit colour	RGB
		Keyboard backlit zone	4-zone RGB
		Copilot key	✓

Processor		Software	
Processor generation	AMD Ryzen 8000 Series	Operating system architecture	64-bit
Processor model *	8940HX	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Processor cores	16	Operating system installed *	Windows 11 Home
Processor threads	32		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.)
Processor boost frequency	5.3 GHz	Bundled software	
Processor frequency *	2.4 GHz		
Processor cache	64 MB		
Processor cache type	L2 & L3	Microsoft Copilot	✓
Memory		Battery	
Internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	DDR5-SDRAM	Number of battery cells	4
Memory clock speed	5600 MHz	Battery capacity *	90 Wh
Memory form factor	SO-DIMM	Fast charging	✓
Memory layout (slots x size)	2 x 8 GB	Fast charging time (50%)	30 min
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	280 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	14 A
SSD capacity	1 TB	AC adapter output voltage	20 V
SSD interface	PCI Express 4.0	DC-in jack	✓
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Type-C required charging power (min) *	45 W
Optical drive type *	✗	USB Type-C required charging power (max) *	100 W
Card reader integrated	✗	USB Power Delivery (USB PD)	✓
Graphics		Security	
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5060	Password protection	✓
Discrete graphics card memory	8 GB	Password protection type	BIOS, User
Discrete graphics memory type	GDDR7		
On-board graphics card *	✓		
On-board GPU manufacturer	AMD		
Discrete graphics card *	✓		
On-board graphics card family	AMD Radeon		
On-board graphics card model *	AMD Radeon 610M		
NVIDIA G-SYNC	✓		
Audio		Weight & dimensions	
Audio system	Smart Amp	Width	354 mm
Number of built-in speakers	2	Depth	264 mm
Built-in microphone	✓	Height (front)	2.26 cm
		Height (rear)	3.04 cm
		Weight *	2.5 kg
Camera		Packaging data	
Front camera	✓	Package width	465 mm
Front camera HD type	Full HD	Package depth	90 mm
		Package height	335 mm
		Package weight	2.86 kg
		Packaging content	
		AC adapter included *	✓
		Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000



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