

ASUS ROG Strix G16 G614FR-S5022W AMD Ryzen™ 9 9955HX Laptop 40.6 cm (16") 2.5K 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Grey



Brand : ASUS

Product family: ROG

Product code: 90NR0NK8-M001X0

Product name : G614FR-S5022W

- Windows 11 Home 64-bit
 - AMD Ryzen 9 9955HX (2.5GHz)
 - 40.6 cm (16") 2.5K 2560 x 1600 IPS, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7)
 - 16GB (5600MHz) DDR5-SDRAM (1 x 16) & 1000GB SSD
 AMD Ryzen 9 9955HX (2.5GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") 2.5K 2560 x 1600 IPS, AMD Radeon 610M, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G16 G614FR-S5022W AMD Ryzen™ 9 9955HX Laptop 40.6 cm (16") 2.5K 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Grey:

Power up your play

Draw more frames and win more games with the brand new Strix G16 and Windows 11 Pro. Powered by an AMD Ryzen™ 9 processor and a 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 32GB of 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		Audio	
Colour name	Eclipse Grey	Audio system	Smart Amp
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Grey	Built-in microphone	✓
Form factor *	Clamshell	Camera	
Housing material	Plastic	Front camera	✓
Market positioning	Gaming	Front camera resolution	1920 x 1080 pixels
Introduction year	2025	Front camera HD type	Full HD
Display		Video capturing speed	30 fps
Display diagonal *	40.6 cm (16")	Network	
Display resolution *	2560 x 1600 pixels	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Wi-Fi standards	Wi-Fi 6E (802.11ax)
HD type	2.5K	Mobile network connection *	✗
Panel type	IPS	Antenna type	2x2
Native aspect ratio	16:10	Ethernet LAN	✓
Anti-glare screen	✓	Ethernet LAN data rates	10,100,1000 Mbit/s
RGB colour space	DCI-P3	Bluetooth	✓
Colour gamut	100%	Bluetooth version	5.3
Display response rise/fall	3 ms	Ports & interfaces	
High Dynamic Range (HDR) supported	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
High Dynamic Range (HDR) technology	Dolby Vision	USB4 Gen 3x2 ports quantity	2
Processor		Ethernet LAN (RJ-45) ports	1
Processor manufacturer *	AMD	HDMI ports quantity *	1
Processor family *	AMD Ryzen™ 9	HDMI version	2.1
Processor generation	AMD Ryzen 9000 Series	Combo headphone/mic port	✓
Processor model *	9955HX	Power adapter barrel connector	6.0 mm
Processor cores	16	USB Type-C DisplayPort Alternate Mode	✓
Processor threads	32		
Processor boost frequency	5.4 GHz		
Processor frequency *	2.5 GHz		

Processor		Keyboard	
Processor cache type	L2 & L3	Pointing device	NumberPad
L3 cache	64 MB	Numeric keypad *	✗
L2 cache	16 MB	Keyboard backlit	✓
Memory		Keyboard backlit colour	RGB
Internal memory *	16 GB	Keyboard backlit zone	Per-key RGB
Internal memory type	DDR5-SDRAM	Copilot key	✓
Memory clock speed	5600 MHz	Software	
Memory form factor	SO-DIMM	Operating system architecture	64-bit
Memory layout (slots x size)	1 x 16 GB	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	Battery	
Maximum internal memory *	64 GB	Battery technology	Lithium-Ion (Li-Ion)
Storage		Number of battery cells	4
Total storage capacity *	1 TB	Battery capacity *	90 Wh
Storage media *	SSD	Fast charging	✓
Total SSDs capacity	1 TB	Fast charging time (50%)	30 min
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	280 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	14 A
Optical drive type *	✗	AC adapter output voltage	20 V
Card reader integrated	✗	USB Type-C charging port *	✓
Graphics		USB Power Delivery (USB PD)	✓
Discrete GPU manufacturer	NVIDIA	Security	
Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	12 GB	Password protection	✓
Discrete graphics memory type	GDDR7	Password protection type	BIOS, User
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	AMD	Width	354 mm
Discrete graphics card *	✓	Depth	264 mm
On-board graphics card family	AMD Radeon Graphics	Height (front)	2.26 cm
On-board graphics card model *	AMD Radeon 610M	Height (rear)	3.04 cm
NVIDIA G-SYNC	✓	Weight *	2.5 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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