

ASUS ROG Strix G16 G614JIR-N4050W-BE Intel® Core™ i9 i9-14900HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey



Brand : ASUS

Product family: ROG

Product code: 90NR0IG5-M002J0

Product name : G614JIR-N4050W-BE

- Windows 11 Home 64-bit
 - Intel Core i9-14900HX (36MB Cache, 2.2GHz)
 - 40.6 cm (16") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 4070 (8GB GDDR6)
 - 16GB (5600MHz) DDR5-SDRAM & 1000GB SSD
 Intel Core i9-14900HX (36MB Cache, 2.2GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G16 G614JIR-N4050W-BE Intel® Core™ i9 i9-14900HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey:

Game with confidence thanks to Windows 11 Pro and the raw horsepower of the 2024 Strix G16. Powered by an Intel® Core™ i9 Processor 14900HX and up to an NVIDIA GeForce RTX 4080 Laptop GPU boasting a max TGP of 175W with Dynamic Boost, be ready to dominate the competition in all of the latest games. Backed up with a dedicated MUX Switch and NVIDIA Advanced Optimus, the Strix G16 unlocks the true potential of its hardware. With PCIe Gen4x4 SSD storage and up to 32GB of 5600MHz DDR5 RAM, large game libraries and intense multitasking sessions are a breeze for this gaming machine.

Design		Camera	
Colour name	Eclipse Gray	Front camera HD type	HD
Product type *	Laptop	Network	
Product colour *	Black, Grey	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Form factor *	Clamshell	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Market positioning	Gaming	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	40.6 cm (16")	Ethernet LAN	✓
Display resolution *	2560 x 1600 pixels	Ethernet LAN data rates	10,100,1000 Mbit/s
Touchscreen *	✗	Bluetooth	✓
HD type	WQXGA	Bluetooth version	5.3
Panel type	IPS	Ports & interfaces	
Native aspect ratio	16:10	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Anti-glare screen	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display brightness	500 cd/m ²	Ethernet LAN (RJ-45) ports	1
RGB colour space	DCI-P3	HDMI ports quantity *	1
Colour gamut	100%	HDMI version	2.1
Display response rise/fall	3 ms	Thunderbolt 4 ports quantity	1
Maximum refresh rate	240 Hz	Intel® Thunderbolt 4	✓
Contrast ratio (typical)	1200:1	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		Performance	
Processor manufacturer *	Intel	Motherboard chipset	Intel HM770 Express
Processor family *	Intel® Core™ i9	Keyboard	
Processor generation	Intel® Core™ i9 (14th gen)	Pointing device	Touchpad
Processor model *	i9-14900HX		
Processor cores	24		

Processor		Keyboard	
Processor boost frequency	5.8 GHz	Keyboard layout	AZERTY
Processor frequency *	2.2 GHz	Keyboard language	Belgian
Processor cache	36 MB	Numeric keypad *	✗
Processor cache type	Smart Cache	Keyboard backlit	✓
Memory		Keyboard backlit colour	RGB
Internal memory *	16 GB	Keyboard backlit zone	4-zone RGB
Internal memory type	DDR5-SDRAM	Software	
Memory clock speed	5600 MHz	Operating system architecture	64-bit
Memory form factor	SO-DIMM	Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Home
Maximum internal memory *	32 GB	Bundled software	Xbox Game Pass Ultimate_3 months
Memory channels	Dual-channel		(*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Ultimate. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Storage			
Total storage capacity *	1 TB	Battery	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	1 TB	Number of battery cells	4
Number of SSDs installed	1	Battery capacity *	90 Wh
SSD capacity	1 TB	Fast charging	✓
SSD interface	PCI Express 4.0	Fast charging time (50%)	30 min
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	280 W
Optical drive type *	✗	AC adapter frequency	50 - 60 Hz
Card reader integrated	✗	AC adapter input voltage	100 - 240 V
Graphics		AC adapter output current	14 A
Discrete GPU manufacturer	NVIDIA	AC adapter output voltage	20 V
Discrete graphics card model *	NVIDIA GeForce RTX 4070	DC-in jack	✓
Discrete graphics card memory	8 GB	USB Power Delivery (USB PD) *	✓
Discrete graphics memory type	GDDR6	Security	
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✓	Password protection	✓
On-board graphics card family	Intel® UHD Graphics	Password protection type	BIOS, User
On-board graphics card model *	Intel® UHD Graphics	Sustainability	
NVIDIA G-SYNC	✓	Sustainability compliance	✓
Audio		Sustainability certificates	ENERGY STAR
Audio system	Smart Amp	Weight & dimensions	
Number of built-in speakers	2	Width	354 mm
Built-in microphone	✓	Depth	264 mm
Camera		Height (front)	2.26 cm
Front camera	✓	Height (rear)	3.04 cm
Front camera resolution	1280 x 720 pixels	Weight *	2.5 kg



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