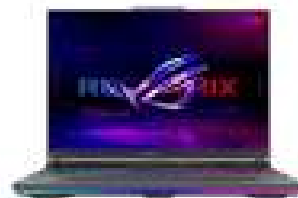ASUS

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
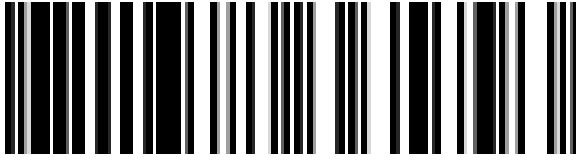
Product name : G614JIR-N4050W-BE

- 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:
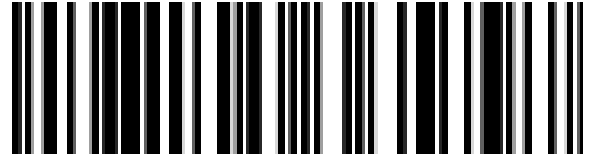
Game with confidence thanks to Windows 11 Pro and the raw horsepower of the 2024 Strix G16. Powered by an Intel® Core™ i9 Processor 14900HX and up to an NVIDIA GeForce RTX 4080 Laptop GPU boasting a max TGP of 175W with Dynamic Boost, be ready to dominate the competition in all of the latest games. Backed 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

Colour name	Eclipse Gray
Product type *	Laptop
Product colour *	Black, Grey
Form factor *	Clamshell
Market positioning	Gaming

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✖
HD type	WQXGA
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	500 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Display response rise/fall	3 ms
Maximum refresh rate	240 Hz
Contrast ratio (typical)	1200:1
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	Dolby Vision

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	Intel® Core™ i9 (14th gen)
Processor model *	i9-14900HX
Processor cores	24
Processor boost frequency	5.8 GHz

Camera

Front camera HD type	HD

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✖
Antenna type	2x2
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
Charging port type	DC-in jack
Power adapter barrel connector	6.0 mm
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery	✔

Performance

Motherboard chipset	Intel HM770 Express

Processor

Processor frequency *	2.2 GHz
Processor cache	36 MB
Processor cache type	Smart Cache

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✘

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics
NVIDIA G-SYNC	✔

Audio

Audio system	Smart Amp
Number of built-in speakers	2
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels

Keyboard

Pointing device	Touchpad
Keyboard layout	AZERTY
Keyboard language	Belgian
Numeric keypad *	✘
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	4-zone RGB

Software

Operating system architecture	64-bit
Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
Operating system installed *	Windows 11 Home
Bundled software	Xbox Game Pass Ultimate_3 months (*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.)

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	90 Wh
Fast charging	✔
Fast charging time (50%)	30 min

Power

AC adapter power	280 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	14 A
AC adapter output voltage	20 V

Security

Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	BIOS, User

Sustainability

Sustainability compliance	✔
Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	354 mm
Depth	264 mm
Height (front)	2.26 cm
Height (rear)	3.04 cm
Weight *	2.5 kg

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