ASUS

ASUS ROG Strix G18 G814JIR-N6003W Intel® Core™ i9 i9-14900HX Laptop 45.7 cm (18") 2.5K 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Grey
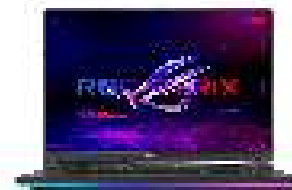
Brand : ASUS

Product family: ROG

Product code: 90NR0ID6-M002C0

Product name : G814JIR-N6003W

ROG Strix G18 G814JIR-N6003W Intel Core i9-14900HX (36MB Cache, 2.2GHz), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") 2.5K 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
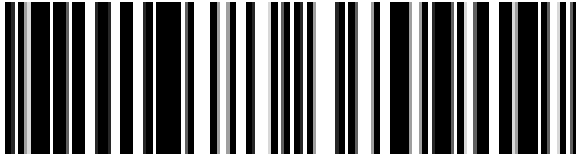
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Game with confidence thanks to Windows 11 Home and the raw horsepower of the 2024 Strix G18. Powered by an Intel® Core™ i9 Processor 14900HX and up to an NVIDIA GeForce RTX 4080 Laptop GPU boasting a max TGP of 175W with Dynamic Boost, be ready to dominate the competition in all of the latest games. Backed up with a dedicated MUX Switch and NVIDIA Advanced Optimus, the Strix G18 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.
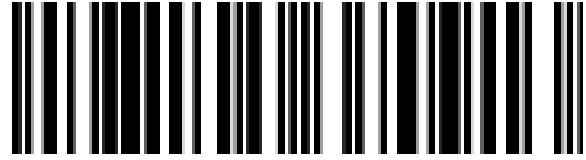
Design

Colour name	Eclipse Gray
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Housing material	Aluminium, Plastic
Market positioning	Gaming
Introduction year	2024

Display

Display diagonal *	45.7 cm (18")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	2.5K
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:10
Display surface	Matt
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)	1000:1
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	Dolby Vision

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	13th gen Intel® Core™ i9
Processor model *	i9-14900HX
Processor cores	24
Processor boost frequency	5.8 GHz
Processor frequency *	2.2 GHz

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
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 ports quantity	1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
Power adapter barrel connector	6.0 mm
USB Type-C DisplayPort Alternate Mode	✔
USB Power Delivery	✔

Keyboard

Pointing device	Touchpad
Keyboard layout	AZERTY
Keyboard language	Belgian
Numeric keypad *	✔
Keyboard backlit	✔

Processor

Processor cache	36 MB

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 16 GB
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	M.2, 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 *	✓
On-board GPU manufacturer	Intel
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	✓

Keyboard

Keyboard backlit colour	RGB
Keyboard backlit zone	Per-key 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

Cable lock slot	✗
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	2.0
Password protection	✓
Password protection type	BIOS, User

Sustainability

Sustainability compliance	✓
Sustainability certificates	ENERGY STAR

Weight & dimensions

Width	399 mm
Depth	294 mm
Height (front)	2.31 cm
Height (rear)	3.08 cm
Weight *	3 kg

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