

ASUS ROG Strix G18 G814JIR-N6003W/R Intel® Core™ i9 i9-14900HX Laptop 45.7 cm (18") WQXGA 32 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: G814JIR-N6003W

Product name : G814JIR-N6003W/R



- Windows 11 Home 64-bit
 - Intel Core i9-14900HX (36MB Cache)
 - 45.7 cm (18") WQXGA 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6)
 - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
- Intel Core i9-14900HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WQXGA 2560 x 1600, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

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RAISE YOUR GAME. CARRY YOUR SQUAD.

Game with confidence thanks to Windows 11 Pro 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		Graphics	
Colour name	Eclipse Gray	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✓
Product colour *	Black, Grey	On-board graphics card family	Intel® UHD Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel® UHD Graphics
Market positioning	Gaming	NVIDIA G-SYNC	✓
Display		Audio	
Display diagonal *	45.7 cm (18")	Audio system	Smart Amp
Display resolution *	2560 x 1600 pixels	Number of built-in speakers	2
Touchscreen *	✗	Built-in microphone	✓
HD type	WQXGA	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera HD type	HD
Display brightness	500 cd/m ²	Network	
RGB colour space	DCI-P3	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Colour gamut	100%	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Maximum refresh rate	240 Hz	Mobile network connection *	✗
High Dynamic Range (HDR) supported	✓	Antenna type	2x2
High Dynamic Range (HDR) technology	Dolby Vision	Ethernet LAN	✓
		Ethernet LAN data rates	10,100,1000 Mbit/s
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	5.3
Processor family *	Intel® Core™ i9	Ports & interfaces	
Processor generation	Intel® Core™ i9 (14th gen)	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	i9-14900HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor threads	32	HDMI ports quantity *	1
Processor boost frequency	5.8 GHz		
Performance cores	8		

Processor		Ports & interfaces	
Efficient cores	16	HDMI version	2.1
Performance-core Max Turbo Frequency	5.8 GHz	Thunderbolt 4 ports quantity	1
Efficient-core Max Turbo Frequency	4.1 GHz	Intel® Thunderbolt 4	✓
Performance-core base frequency	2.2 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	1.6 GHz	Charging port type	DC-in jack
Processor cache	36 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor cache type	Smart Cache	USB Power Delivery	✓
Processor base power	55 W	Keyboard	
Maximum turbo power	157 W	Pointing device	Touchpad
Memory		Numeric keypad *	✓
Internal memory *	32 GB	Keyboard backlit	✓
Internal memory type	DDR5-SDRAM	Keyboard backlit colour	RGB
Memory clock speed	5600 MHz	Keyboard backlit zone	Per-key RGB
Memory form factor	SO-DIMM	Software	
Memory layout (slots x size)	2 x 16 GB	Operating system architecture	64-bit
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Home
Maximum internal memory *	32 GB	Battery	
Memory channels	Dual-channel	Battery technology	Lithium-Ion (Li-Ion)
Storage		Number of battery cells	4
Total storage capacity *	1 TB	Battery capacity *	90 Wh
Storage media *	SSD	Power	
Total SSDs capacity	1 TB	AC adapter power	240 W
Number of SSDs installed	1	AC adapter frequency	50 - 60 Hz
SSD capacity	1 TB	AC adapter input voltage	100 - 240 V
SSD interface	PCI Express 4.0	AC adapter output current	12 A
NVMe	✓	AC adapter output voltage	20 V
SSD form factor	M.2	Security	
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✗	Password protection	✓
Graphics		Password protection type	BIOS, User
Discrete GPU manufacturer	NVIDIA	Sustainability	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Sustainability certificates	ENERGY STAR
Discrete graphics card memory	8 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	399 mm
On-board graphics card *	✓	Depth	294 mm
		Height (front)	2.31 cm
		Height (rear)	3.08 cm
		Weight *	3 kg



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