

ASUS ROG Strix G18 G814JZ-N6011W Intel® Core™ i9 i9-13980HX Laptop 45,7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey

Brand : ASUS

Product family: ROG

Article code: 90NR0CL1-M003J0

Product name : G814JZ-N6011W

ASUS ROG Strix G18 G814JZ-N6011W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13980HX. Display diagonal: 45,7 cm (18"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Home. Product color: Black, Grey



Design		Graphics	
Colour name	Eclipse Gray	On-board graphics card family	Intel® UHD Graphics
Product type *	Laptop	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black, Grey	NVIDIA G-SYNC	✓
Form factor *	Clamshell	Audio	
Market positioning	Gaming	Audio system	Smart Amp
Introduction year	2023	Number of built-in speakers	2
Display		Built-in microphone	✓
Display diagonal *	45.7 cm (18")	Camera	
Display resolution *	2560 x 1600 pixels	Front camera	✓
Touchscreen *	✗	Front camera resolution	1280 x 720 pixels
HD type	WQXGA	Front camera HD type	HD
Panel type	IPS	Network	
LED backlight	✓	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Anti-glare screen	✓	Mobile network connection *	✗
RGB colour space	DCI-P3	Antenna type	2x2
Colour gamut	100%	Ethernet LAN	✓
Display response rise/fall	3 ms	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Maximum refresh rate	240 Hz	Bluetooth	✓
High Dynamic Range (HDR) supported	✓	Bluetooth version	5.3
High Dynamic Range (HDR) technology	Dolby Vision	Ports & interfaces	
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor family *	Intel® Core™ i9	Ethernet LAN (RJ-45) ports	1
Processor generation	13th gen Intel® Core™ i9	HDMI ports quantity *	1
Processor model *	i9-13980HX	HDMI version	2.1
Processor cores	24	Thunderbolt 4 ports quantity	1
Processor boost frequency	5.6 GHz	Intel® Thunderbolt 4	✓
Performance cores	8	Combo headphone/mic port	✓
Efficient cores	16	Charging port type	DC-in jack
Performance-core Max Turbo Frequency	5.6 GHz		

Processor		Ports & interfaces	
Efficient-core Max Turbo Frequency	4 GHz	Power adapter barrel connector	6.0 mm
Efficient-core boost frequency	4 GHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	36 MB	Performance	
Processor cache type	Smart Cache	Repairability index	8.6
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	4800 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	330 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	16.5 A
NVMe	✓	AC adapter output voltage	20 V
SSD form factor	M.2	USB Power Delivery (USB PD) *	✓
Optical drive type *	✗	Security	
Card reader integrated	✗	Trusted Platform Module (TPM)	✓
Graphics		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	BIOS, User
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Sustainability	
Discrete graphics card memory	12 GB	Sustainability compliance	✓
Discrete graphics memory type	GDDR6	Sustainability certificates	ENERGY STAR
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card *	✓	Width	399 mm
		Depth	294 mm
		Height (front)	2.31 cm
		Height (rear)	3.08 cm
		Weight *	3 kg



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