

ASUS ROG Strix G16 G614JZ-N4024W Intel® Core™ i9 i9-13980HX Laptop 40.6 cm (16") Quad HD+ 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0CZ1-M007J0

Product name : G614JZ-N4024W



- Windows 11 Home 64-bit
 - Intel Core i9-13980HX (36MB Cache)
 - 40.6 cm (16") Quad HD+ 2560 x 1600 IPS, NVIDIA GeForce RTX 4080 (12GB GDDR6)
 - 16GB (4800MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD
 Intel Core i9-13980HX (36MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
 ASUS ROG Strix G16 G614JZ-N4024W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13980HX. Display diagonal: 40.6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 16 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 colour: Grey



Design		Camera	
Colour name	Eclipse Grey	Front camera	✓
Product type *	Laptop	Front camera HD type	HD
Product colour *	Grey	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Market positioning	Gaming	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Introduction year	2023	Mobile network connection *	✗
Country of origin	China	Antenna type	2x2
Display		Ethernet LAN	✓
Display diagonal *	40.6 cm (16")	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Display resolution *	2560 x 1600 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.2
HD type	Quad HD+	Ports & interfaces	
Panel type	IPS	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
LED backlight	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Native aspect ratio	16:10	Ethernet LAN (RJ-45) ports	1
Anti-glare screen	✓	HDMI ports quantity *	1
Display brightness	500 cd/m²	HDMI version	2.1
RGB colour space	DCI-P3	Thunderbolt 4 ports quantity	1
Colour gamut	100%	Intel® Thunderbolt 4	✓
Maximum refresh rate	240 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1200:1	Power adapter barrel connector	6.0 mm
High Dynamic Range (HDR) supported	✓	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) technology	Dolby Vision	USB Power Delivery	✓
Processor		Performance	
Processor manufacturer *	Intel	Motherboard chipset	Intel HM770 Express
Processor family *	Intel® Core™ i9		
Processor generation	13th gen Intel® Core™ i9		

Processor		Performance	
Processor model *	i9-13980HX	Repairability index	8.6
Processor cores	24	Keyboard	
Processor boost frequency	5.6 GHz	Pointing device	Touchpad
Efficient-core boost frequency	4 GHz	Numeric keypad *	✗
Processor cache	36 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	Keyboard backlit colour	RGB
Memory		Keyboard backlit zone	4-zone RGB
Internal memory *	16 GB	Software	
Internal memory type	DDR5-SDRAM	Operating system architecture	64-bit
Memory clock speed	4800 MHz	Trial software	McAfee 30 days, Xbox Game Pass Ultimate 3 months
Memory form factor	SO-DIMM	Operating system installed *	Windows 11 Home
Memory layout (slots x size)	2 x 8 GB	Battery	
Memory slots	2x SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	32 GB	Number of battery cells	4
Memory channels	Dual-channel	Battery capacity *	90 Wh
Storage		Fast charging	✓
Total storage capacity *	1 TB	Fast charging time (50%)	30 min
Storage media *	SSD	Power	
Total SSDs capacity	1 TB	AC adapter power	280 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	14 A
NVMe	✓	AC adapter output voltage	20 V
SSD form factor	M.2	Security	
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Graphics		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	BIOS, User
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Weight & dimensions	
Discrete graphics card memory	12 GB	Width	354 mm
Discrete graphics memory type	GDDR6	Depth	264 mm
On-board graphics card *	✓	Height (front)	2.26 cm
On-board GPU manufacturer	Intel	Height (rear)	3.04 cm
Discrete graphics card *	✓	Weight *	2.5 kg
On-board graphics card model *	Intel® UHD Graphics	Packaging data	
NVIDIA G-SYNC	✓	Package width	90 mm
Audio		Package depth	465 mm
Audio system	Dolby Atmos	Package height	335 mm
Number of built-in speakers	2	Package weight	2.86 kg
Built-in microphone	✓	Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000



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