

# ASUS ROG Strix SCAR 16 G634JZ-NM041W Intel® Core™ i9 i9-13980HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Black



**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0C81-  
M004X0

**Product name :** G634JZ-  
NM041W

- Windows 11 Home 64-bit  
- Intel Core i9-13980HX (36MB Cache)  
- 40.6 cm (16") WQXGA 2560 x 1600 Mini LED, NVIDIA GeForce RTX 4080 (12GB GDDR6)  
- 32GB (4800MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD  
Intel Core i9-13980HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 Mini LED, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit  
ASUS ROG Strix SCAR 16 G634JZ-NM041W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13980HX, Processor frequency: 2.2 GHz. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Home. Product colour: Black

Design		Audio	
Colour name	Off Black	Number of built-in speakers	4
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Gaming	Front camera HD type	HD
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display resolution *	2560 x 1600 pixels	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	WQXGA	Antenna type	2x2
Panel type	Mini LED	Ethernet LAN	✓
Native aspect ratio	16:10	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Anti-glare screen	✓	Bluetooth	✓
Display brightness	1100 cd/m <sup>2</sup>	Bluetooth version	5.3
RGB colour space	DCI-P3	Ports & interfaces	
Colour gamut	100%	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Maximum refresh rate	240 Hz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Contrast ratio (typical)	100000:1	Ethernet LAN (RJ-45) ports	1
High Dynamic Range (HDR) supported	✓	HDMI ports quantity *	1
High Dynamic Range (HDR) technology	Dolby Vision	HDMI version	2.1
Processor		Thunderbolt 4 ports quantity	1
Processor manufacturer *	Intel	Intel® Thunderbolt 4	✓
Processor family *	Intel® Core™ i9	Combo headphone/mic port	✓
Processor generation	13th gen Intel® Core™ i9	Charging port type	DC-in jack
Processor model *	i9-13980HX	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	24		
Processor boost frequency	5.6 GHz		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Processor frequency *	2.2 GHz	USB Power Delivery	✓
Processor cache	36 MB	<b>Keyboard</b>	
<b>Memory</b>		Pointing device	Touchpad
Internal memory *	32 GB	Keyboard layout	AZERTY
Internal memory type	DDR5-SDRAM	Keyboard language	Belgian
Memory clock speed	4800 MHz	Numeric keypad *	✗
Memory form factor	SO-DIMM	Keyboard backlit	✓
Memory layout (slots x size)	2 x 16 GB	Keyboard backlit colour	RGB
Maximum internal memory *	64 GB	Keyboard backlit zone	Per-key RGB
<b>Storage</b>		Island-style keyboard	✓
Total storage capacity *	2 TB	<b>Software</b>	
Storage media *	SSD	Operating system architecture	64-bit
Total SSDs capacity	2 TB	Operating system installed *	Windows 11 Home
Number of SSDs installed	1	<b>Battery</b>	
SSD capacity	2 TB	Battery technology	Lithium-Ion (Li-Ion)
SSD interface	PCI Express 4.0	Number of battery cells	4
NVMe	✓	Battery capacity *	90 Wh
SSD form factor	M.2	<b>Power</b>	
Optical drive type *	✗	AC adapter power	330 W
Card reader integrated	✗	AC adapter frequency	50 - 60 Hz
<b>Graphics</b>		AC adapter input voltage	100 - 240 V
Discrete GPU manufacturer	NVIDIA	AC adapter output current	16.5 A
Discrete graphics card model *	NVIDIA GeForce RTX 4080	AC adapter output voltage	20 V
Discrete graphics card memory	12 GB	<b>Security</b>	
Discrete graphics memory type	GDDR6	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	Intel	Password protection type	BIOS, User
Discrete graphics card *	✓	<b>Weight &amp; dimensions</b>	
On-board graphics card model *	Intel® UHD Graphics	Width	354 mm
<b>Audio</b>		Depth	264 mm
Audio system	Dolby Atmos	Height (front)	2.26 cm
		Height (rear)	3.04 cm
		Weight *	2.6 kg



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