

ASUS ROG Strix SCAR 16 G635LX-RW042W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Home Black



Brand : ASUS

Product family: ROG

Product code: 90NR0L81-M003L0

Product name : G635LX-RW042W

- Windows 11 Home 64-bit
 - Intel Core Ultra 9 275HX (36MB Cache)
 - 40.6 cm (16") WQXGA 2560 x 1600 Mini LED, NVIDIA GeForce RTX 5090 (24GB GDDR7)
 - 64GB (5600MHz) DDR5-SDRAM (2 x 32) & 2000GB SSD
 Intel Core Ultra 9 275HX (36MB Cache), 64GB DDR5-SDRAM, 2000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 Mini LED, Intel Graphics, NVIDIA GeForce RTX 5090 (24GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix SCAR 16 G635LX-RW042W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Home Black:

The best of the best

The 2025 Strix SCAR 16 offers the very best Windows 11 Pro gaming experience, featuring up to Intel® Core™ Ultra 9 processor 275HX and up to NVIDIA® GeForce RTX™ 5090 Laptop GPU with NVIDIA Max-Q technologies, including Advanced Optimus. This killer hardware is complemented with up to 64GB of 5600MHz DDR5 RAM and 4TB of PCIe 4.0 storage, with the memory slots upgradable to 6400MHz DDR5 RAM and SSD slots both offering full support for PCIe Gen 5, ensuring that you always have the edge on your competition.

Design		Graphics	
Colour name	Off Black	Discrete graphics memory type	GDDR7
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Black	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Market positioning	Gaming	On-board graphics card family	Intel® Graphics
Introduction year	2025	On-board graphics card model *	Intel® Graphics
Display		NVIDIA G-SYNC	✓
Display diagonal *	40.6 cm (16")	Audio	
Display resolution *	2560 x 1600 pixels	Audio system	Smart Amp
Touchscreen *	✗	Number of built-in speakers	4
HD type	WQXGA	Built-in microphone	✓
Panel type	Mini LED	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera HD type	Full HD
RGB colour space	DCI-P3	Infrared (IR) camera	✓
Colour gamut	100%	Network	
Display response rise/fall	3 ms	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum refresh rate	240 Hz	Wi-Fi standards	Wi-Fi 7 (802.11be)
High Dynamic Range (HDR) supported	✓	Mobile network connection *	✗
High Dynamic Range (HDR) technology	Dolby Vision	Antenna type	2x2
Processor		Ethernet LAN	✓
Processor manufacturer *	Intel	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor family *	Intel Core Ultra 9	Bluetooth	✓
Processor generation	Intel Core Ultra (Series 2)	Bluetooth version	5.4
Processor model *	275HX		
Processor cores	24		
Processor threads	24		

Processor		Ports & interfaces	
Processor boost frequency	5.4 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Performance cores	8	Ethernet LAN (RJ-45) ports	1
Efficient cores	16	HDMI ports quantity *	1
Performance-core Max Turbo Frequency	5.4 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	4.6 GHz	Thunderbolt 5 ports quantity	2
Performance-core base frequency	2.7 GHz	Intel® Thunderbolt 5	✓
Efficient-core base frequency	2.1 GHz	Combo headphone/mic port	✓
Processor cache	36 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	55 W		
Maximum turbo power	160 W		
Neural processor unit (NPU)		Performance	
Neural processor unit (NPU)	Intel AI Boost	Motherboard chipset	Intel HM870 Express
Sparsity support	✓	Repairability index	9.9
Windows Studio effects support	✓		
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard	
Total processor performance up to	36 TOPs	Pointing device	NumberPad
NPU performance up to	13 TOPs	Numeric keypad *	✗
GPU performance up to	8 TOPs	Keyboard backlit	✓
Memory		Keyboard backlit colour	RGB
Internal memory *	64 GB	Keyboard backlit zone	Per-key RGB
Internal memory type	DDR5-SDRAM	Copilot key	✓
Memory clock speed	5600 MHz		
Memory form factor	SO-DIMM	Software	
Memory layout (slots x size)	2 x 32 GB	Operating system architecture	64-bit
Memory slots	2x SO-DIMM	Microsoft Copilot	✓
Maximum internal memory *	64 GB	Operating system installed *	Windows 11 Home
Memory channels	Dual-channel		
Storage		Battery	
Total storage capacity *	2 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	2 TB	Battery capacity *	90 Wh
Number of SSDs installed	2	Fast charging	✓
SSD capacity	1 TB	Fast charging time (50%)	30 min
SSD interface	PCI Express 4.0		
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	380 W
Optical drive type *	✗	AC adapter frequency	50 - 60 Hz
Card reader integrated	✗	AC adapter input voltage	100 - 240 V
Graphics		AC adapter output current	19 A
Discrete GPU manufacturer	NVIDIA	AC adapter output voltage	20 V
Discrete graphics card model *	NVIDIA GeForce RTX 5090	DC-in jack	✓
Discrete graphics card memory	24 GB	USB Type-C charging port *	✓
		USB Power Delivery (USB PD)	✓
		Security	
		Face recognition	✓
		Windows Hello	✓
		Trusted Platform Module (TPM)	✓
		Password protection	✓
		Password protection type	BIOS, User
		Weight & dimensions	
		Width	354 mm
		Depth	268 mm
		Height (front)	2.28 cm
		Height (rear)	3.08 cm
		Weight *	2.8 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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