

## ASUS ROG Strix SCAR 16 G635LX-RW019W 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-M004Y0

**Product name :** G635LX-RW019W

- 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-RW019W 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 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.



**3-MONTH PC GAME PASS**



Design		Graphics	
Colour name	Off Black	On-board graphics card *	✓
Product type *	Laptop	On-board GPU manufacturer	Intel
Product colour *	Black	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel Graphics
Market positioning	Gaming	On-board graphics card model *	Intel Graphics
Introduction year	2025	NVIDIA G-SYNC	✓
Display		Audio	
Display diagonal *	40.6 cm (16")	Audio system	Smart Amp
Display resolution *	2560 x 1600 pixels	Number of built-in speakers	4
Touchscreen *	✗	Built-in microphone	✓
HD type	WQXGA	Camera	
Panel type	Mini LED	Front camera	✓
Native aspect ratio	16:10	Front camera HD type	Full HD
Anti-glare screen	✓	Infrared (IR) camera	✓
Maximum display brightness (HDR)	1200 cd/m²	Network	
RGB colour space	DCI-P3	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Colour gamut	100%	Wi-Fi standards	Wi-Fi 7 (802.11be)
Display response rise/fall	3 ms	Mobile network connection *	✗
Maximum refresh rate	240 Hz	Antenna type	2x2
High Dynamic Range (HDR) supported	✓	Ethernet LAN	✓
High Dynamic Range (HDR) technology	Dolby Vision	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	5.4
Processor family *	Intel Core Ultra 9	Ports & interfaces	
Processor generation	Intel Core Ultra (Series 2)	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor model *	275HX		

Processor		Ports & interfaces	
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor threads	24	HDMI ports quantity *	1
Processor boost frequency	5.4 GHz	HDMI version	2.1
Performance cores	8	Thunderbolt 5 ports quantity	2
Efficient cores	16	Intel® Thunderbolt 5	✓
Performance-core Max Turbo Frequency	5.4 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.6 GHz	USB Type-C DisplayPort Alternate Mode	✓
Performance-core base frequency	2.7 GHz	Performance	
Efficient-core base frequency	2.1 GHz	Motherboard chipset	Intel HM870 Express
Processor cache	36 MB	Keyboard	
Processor base power	55 W	Pointing device	NumberPad
Maximum turbo power	160 W	Numeric keypad *	✗
Neural processor unit (NPU)		Keyboard backlit	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit colour	RGB
Sparsity support	✓	Keyboard backlit zone	Per-key RGB
Windows Studio effects support	✓	Software	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system architecture	64-bit
Total processor performance up to	36 TOPs	Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
NPU performance up to	13 TOPs	Operating system installed *	Windows 11 Home
GPU performance up to	8 TOPs		Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Memory		Bundled software	
Internal memory *	64 GB	Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory clock speed	5600 MHz	Number of battery cells	4
Memory form factor	SO-DIMM	Battery capacity *	90 Wh
Memory layout (slots x size)	2 x 32 GB	Fast charging	✓
Memory slots	2x SO-DIMM	Fast charging time (50%)	30 min
Maximum internal memory *	64 GB	Power	
Memory channels	Dual-channel	AC adapter power	380 W
Storage		AC adapter frequency	50 - 60 Hz
Total storage capacity *	2 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	AC adapter output current	19 A
Total SSDs capacity	2 TB	AC adapter output voltage	20 V
SSD interface	PCI Express 4.0	USB Type-C charging port *	✓
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2	Security	
Optical drive type *	✗	Face recognition	✓
Card reader integrated	✗	Windows Hello	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5090	Password protection type	BIOS, User
Discrete graphics card memory	24 GB	Weight & dimensions	
Discrete graphics memory type	GDDR7	Width	354 mm
		Depth	268 mm
		Height (front)	2.28 cm
		Height (rear)	3.08 cm
		Weight *	2.85 kg
		Packaging content	
		AC adapter included *	✓

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