

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 German Black



Brand : ASUS

Product family: ROG

Product code: 90NR0L81-M000ZO

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 German 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.

Design		Graphics	
Colour name	Off Black	Discrete graphics card *	✓
Product type *	Laptop	On-board graphics card family	Intel® Graphics
Product colour *	Black	On-board graphics card model *	Intel® Graphics
Form factor *	Clamshell	NVIDIA G-SYNC	✓
Market positioning	Gaming	Audio	
Introduction year	2025	Audio system	Smart Amp
Display		Number of built-in speakers	4
Display diagonal *	40.6 cm (16")	Built-in microphone	✓
Display resolution *	2560 x 1600 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	WQXGA	Front camera HD type	Full HD
Panel type	Mini LED	Infrared (IR) camera	✓
Native aspect ratio	16:10	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum display brightness (HDR)	1200 cd/m²	Wi-Fi standards	Wi-Fi 7 (802.11be)
RGB colour space	DCI-P3	Mobile network connection *	✗
Colour gamut	100%	Antenna type	2x2
Display response rise/fall	3 ms	Ethernet LAN	✓
Maximum refresh rate	240 Hz	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
High Dynamic Range (HDR) supported	✓	Bluetooth	✓
High Dynamic Range (HDR) technology	Dolby Vision	Bluetooth version	5.4
Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor family *	Intel Core Ultra 9	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel Core Ultra (Series 2)	HDMI ports quantity *	1
Processor model *	275HX	HDMI version	2.1
Processor cores	24		
Processor threads	24		

Processor		Ports & interfaces	
Processor boost frequency	5.4 GHz	Thunderbolt 5 ports quantity	2
Performance cores	8	Intel® Thunderbolt 5	✓
Efficient cores	16	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	5.4 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Performance	
Performance-core base frequency	2.7 GHz	Motherboard chipset	Intel HM870 Express
Efficient-core base frequency	2.1 GHz	Repairability index	9.9
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	✓	Keyboard layout	QWERTZ
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard language	German
Total processor performance up to	36 TOPs	Software	
NPU performance up to	13 TOPs	Operating system architecture	64-bit
GPU performance up to	8 TOPs	Trial software	Microsoft 365 30 days
Memory		Operating system installed *	Windows 11 Home
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	DC-in jack	✓
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗	Security	
Card reader integrated	✗	Face recognition	✓
Graphics		Windows Hello	✓
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5090	Password protection	✓
Discrete graphics card memory	24 GB	Password protection type	BIOS, User
Discrete graphics memory type	GDDR7	Weight & dimensions	
On-board graphics card *	✓	Width	354 mm
On-board GPU manufacturer	Intel	Depth	268 mm
		Height (front)	2.28 cm
		Height (rear)	3.08 cm
		Weight *	2.8 kg
		Packaging data	
		Package width	460 mm
		Package depth	99 mm
		Package height	325 mm
		Package weight	3.05 kg
		Packaging content	
		AC adapter included *	✓



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