

ASUS ROG Strix SCAR 16 G635LX-RW018W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Home Black QWERTZ German



Brand : ASUS

Product family: ROG

Product code: 90NR0L81-M001N0

Product name : G635LX-RW018W

- 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)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB 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-RW018W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Home Black QWERTZ German:

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

Processor		Ports & interfaces	
Processor threads	24	HDMI version	2.1
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 *	32 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 16 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 *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	AC adapter output current	19 A
Total SSDs capacity	1 TB	AC adapter output voltage	20 V
Number of SSDs installed	1	DC-in jack	✓
SSD capacity	1 TB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Face recognition	✓
Optical drive type *	✗	Windows Hello	✓
Card reader integrated	✗	Trusted Platform Module (TPM)	✓
Graphics		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	BIOS, User
Discrete graphics card model *	NVIDIA GeForce RTX 5090	Weight & dimensions	
Discrete graphics card memory	24 GB	Width	354 mm
Discrete graphics memory type	GDDR7	Depth	268 mm
On-board graphics card *	✓	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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