

ASUS ROG Strix SCAR 16 G635LW-RW011W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Black



Brand : ASUS

Product family: ROG

Product code: 90NR0LD1-M003V0

Product name : G635LW-RW011W

- 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 5080 (16GB GDDR7)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD
Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 Mini LED, Intel Graphics, NVIDIA GeForce RTX 5080 (16GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix SCAR 16 G635LW-RW011W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 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	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	✓
RGB colour space	DCI-P3	Network	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display response rise/fall	3 ms	Wi-Fi standards	Wi-Fi 7 (802.11be)
Maximum refresh rate	240 Hz	Mobile network connection *	✗
High Dynamic Range (HDR) supported	✓	Antenna type	2x2
High Dynamic Range (HDR) technology	Dolby Vision	Ethernet LAN	✓
Processor		Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 9	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)	Ports & interfaces	
Processor model *	275HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor cores	24		
Processor threads	24		

Processor		Ports & interfaces	
Processor boost frequency	5.4 GHz	Ethernet LAN (RJ-45) ports	1
Performance cores	8	HDMI ports quantity *	1
Efficient cores	16	HDMI version	2.1
Performance-core Max Turbo Frequency	5.4 GHz	Thunderbolt 5 ports quantity	2
Efficient-core Max Turbo Frequency	4.6 GHz	Intel® Thunderbolt 5	✓
Performance-core base frequency	2.7 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	2.1 GHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	36 MB		
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		
Total processor performance up to	36 TOPs		
NPU performance up to	13 TOPs		
GPU performance up to	8 TOPs		
Memory		Keyboard	
Internal memory *	32 GB	Pointing device	NumberPad
Internal memory type	DDR5-SDRAM	Numeric keypad *	✗
Memory clock speed	5600 MHz	Keyboard backlit	✓
Memory form factor	SO-DIMM	Keyboard backlit colour	RGB
Memory layout (slots x size)	2 x 16 GB	Keyboard backlit zone	Per-key RGB
Memory slots	2x SO-DIMM	Copilot key	✓
Maximum internal memory *	64 GB		
Memory channels	Dual-channel		
Storage		Software	
Total storage capacity *	2 TB	Operating system architecture	64-bit
Storage media *	SSD	Microsoft Copilot	✓
Total SSDs capacity	2 TB	Operating system installed *	Windows 11 Home
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Card reader integrated	✗		
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Number of battery cells	4
Discrete graphics card memory	16 GB	Battery capacity *	90 Wh
Discrete graphics memory type	GDDR7	Fast charging	✓
		Fast charging time (50%)	30 min
		Power	
		AC adapter power	380 W
		AC adapter frequency	50 - 60 Hz
		AC adapter input voltage	100 - 240 V
		AC adapter output current	19 A
		AC adapter output voltage	20 V
		DC-in jack	✓
		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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