

ASUS ROG Strix SCAR 18 G835LX-SA008W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") 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: 90NR0LF1-M00440

Product name : G835LX-SA008W

- Windows 11 Home 64-bit
 - Intel Core Ultra 9 275HX (36MB Cache)
 - 45.7 cm (18") 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, 45.7 cm (18") 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 18 G835LX-SA008W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") 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 18 offers the very best Windows 11 Pro gaming experience, featuring next gen Intel® Core™ processor and next gen NVIDIA® GeForce RTX™ 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 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 *	45.7 cm (18")	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	
LED backlight	✓	Front camera	✓
Native aspect ratio	16:10	Front camera resolution	1920 x 1080 pixels
Anti-glare screen	✓	Front camera HD type	Full HD
Display brightness	500 cd/m²	Infrared (IR) camera	✓
RGB colour space	DCI-P3	Network	
Colour gamut	100%	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		Ports & interfaces	
Processor threads	24	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
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	Performance	
Processor base power	55 W	Motherboard chipset	Intel HM870 Express
Maximum turbo power	160 W	Repairability index	9.9
Neural processor unit (NPU)		Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Pointing device	Touchpad
Sparsity support	✓	Numeric keypad *	✓
Windows Studio effects support	✓	Keyboard backlit	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard backlit colour	RGB
Total processor performance up to	36 TOPs	Keyboard backlit zone	Per-key RGB
NPU performance up to	13 TOPs	Copilot key	✓
GPU performance up to	8 TOPs	Software	
Memory		Operating system architecture	64-bit
Internal memory *	64 GB	Microsoft Copilot	✓
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Memory clock speed	5600 MHz	Battery	
Memory form factor	SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Memory layout (slots x size)	2 x 32 GB	Number of battery cells	4
Memory slots	2x SO-DIMM	Battery capacity *	90 Wh
Maximum internal memory *	64 GB	Fast charging	✓
Memory channels	Dual-channel	Fast charging time (50%)	30 min
Storage		Power	
Total storage capacity *	2 TB	AC adapter power	380 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	2 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	19 A
SSD 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	
		Width	399 mm
		Depth	298 mm
		Height (front)	2.35 cm
		Height (rear)	3.2 cm
		Weight *	3.3 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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