

ASUS ROG Strix SCAR 18 G835LW-SA086W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") 2.5K 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Belgian Black



Brand : ASUS

Product family: ROG

Product code: 90NR0LI1-M003R0

Product name : G835LW-SA086W

- Windows 11 Home 64-bit
 - Intel Core Ultra 9 275HX (36MB Cache)
 - 45.7 cm (18") 2.5K 2560 x 1600 Mini LED, NVIDIA GeForce RTX 5080 (16GB GDDR7)
 - 32GB (5600MHz) DDR5-SDRAM (1 x 32) & 2000GB SSD
- Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 45.7 cm (18") 2.5K 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 18 G835LW-SA086W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") 2.5K 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Belgian 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	On-board graphics card family	Intel Graphics
Product type *	Laptop	On-board graphics card model *	Intel Graphics
Product colour *	Black	NVIDIA G-SYNC	✓
Form factor *	Clamshell	Audio	
Market positioning	Gaming	Audio system	Smart Amp
Introduction year	2025	Number of built-in speakers	4
Display		Built-in microphone	✓
Display diagonal *	45.7 cm (18")	Camera	
Display resolution *	2560 x 1600 pixels	Front camera	✓
Touchscreen *	✗	Front camera resolution	1920 x 1080 pixels
HD type	2.5K	Front camera HD type	Full HD
Panel type	Mini LED	Infrared (IR) camera	✓
LED backlight	✓	Network	
Native aspect ratio	16:10	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Anti-glare screen	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
Maximum display brightness (HDR)	500 cd/m ²	Mobile network connection *	✗
RGB colour space	DCI-P3	Antenna type	2x2
Colour gamut	100%	Ethernet LAN	✓
Maximum refresh rate	240 Hz	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Contrast ratio (typical)	1200:1	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 threads	24		
Processor boost frequency	5.4 GHz		

Processor		Ports & interfaces	
Performance cores	8	HDMI version	2.1
Efficient cores	16	Thunderbolt 5 ports quantity	2
Performance-core Max Turbo Frequency	5.4 GHz	Intel® Thunderbolt 5	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Combo headphone/mic port	✓
Performance-core base frequency	2.7 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core base frequency	2.1 GHz		
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	✓	Keyboard	
Windows Studio effects support	✓	Pointing device	Touchpad
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Numeric keypad *	✓
Total processor performance up to	36 TOPs	Keyboard backlit	✓
NPU performance up to	13 TOPs	Keyboard backlit colour	RGB
GPU performance up to	8 TOPs	Keyboard backlit zone	Per-key RGB
		Keyboard layout	AZERTY
		Keyboard language	Belgian
		Copilot key	✓
Memory		Software	
Internal memory *	32 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Home
Memory form factor	SO-DIMM		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 layout (slots x size)	1 x 32 GB	Bundled software	
Memory slots	2x SO-DIMM	Microsoft Copilot	✓
Maximum internal memory *	64 GB	Copilot+ PC	✓
Memory channels	Dual-channel		
Storage		Battery	
Total storage capacity *	2 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	2 TB	Battery capacity *	90 Wh
Number of SSDs installed	1	Fast charging	✓
SSD capacity	2 TB	Fast charging time (50%)	30 min
SSD interface	PCI Express 4.0		
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	380 W
Optical drive type *	✗	AC adapter frequency	50 - 60 Hz
Card reader integrated	✗	AC adapter input voltage	100 - 240 V
Graphics		AC adapter output current	19 A
Discrete GPU manufacturer	NVIDIA	AC adapter output voltage	20 V
Discrete graphics card model *	NVIDIA GeForce RTX 5080	USB Power Delivery (USB PD)	✓
Discrete graphics card memory	16 GB		
Discrete graphics memory type	GDDR7	Security	
On-board graphics card *	✓	Face recognition	✓
On-board GPU manufacturer	Intel	Windows Hello	✓
Discrete graphics card *	✓	Trusted Platform Module (TPM)	✓
		Password protection	✓
		Password protection type	BIOS, User
		Weight & dimensions	
		Width	399 mm
		Depth	298 mm
		Height (front)	2.35 cm
		Height (rear)	3.2 cm
		Weight *	3.48 kg

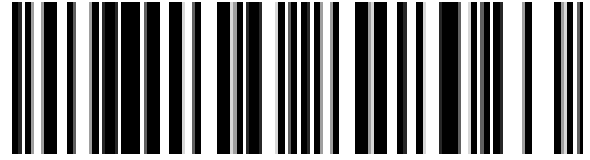
Packaging content

AC adapter included *





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