

## ASUS ROG Strix SCAR 18 G835LW-SA020W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") 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:** 90NR0LI1-M000M0

**Product name :** G835LW-SA020W



Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 45.7 cm (18") 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 18 G835LW-SA020W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Black:

### Victory, accelerated.

The Strix SCAR 18 features an Intel® Core™ Ultra 9 processor 275HX boasting up to a 65W TDP with 8 Performance-cores and 16 Efficient-cores, paired with NVIDIA® GeForce® RTX 5080 Laptop GPU (1334 AI TOPS) with a max TGP of 175W, ensuring flawless AAA gaming experiences while making resource-intensive tasks like programming and rendering effortless and seamless.



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 *	45.7 cm (18")	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	
Display brightness	500 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 *	✗
Maximum refresh rate	240 Hz	Antenna type	2x2
Contrast ratio (typical)	1200:1	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		

Processor		Ports & interfaces	
Processor cores	24	HDMI ports quantity *	1
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	Keyboard	
Processor cache	36 MB	Pointing device	Touchpad
Processor base power	55 W	Numeric keypad *	✓
Maximum turbo power	160 W	Keyboard backlit	✓
Neural processor unit (NPU)		Keyboard backlit colour	RGB
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit zone	4-zone RGB
Sparsity support	✓	Copilot key	✓
Windows Studio effects support	✓	Software	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Operating system architecture	64-bit
Total processor performance up to	36 TOPs	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
NPU performance up to	13 TOPs	Operating system installed *	Windows 11 Home
GPU performance up to	8 TOPs	Bundled software	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			
Internal memory *	32 GB		
Internal memory type	DDR5-SDRAM		
Memory clock speed	5600 MHz	Microsoft Copilot	✓
Memory form factor	SO-DIMM		
Memory layout (slots x size)	2 x 16 GB		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB	Battery	
Memory channels	Dual-channel	Battery technology	Lithium-Ion (Li-Ion)
Storage		Number of battery cells	4
Total storage capacity *	2 TB	Battery capacity *	90 Wh
Storage media *	SSD	Fast charging	✓
Total SSDs capacity	2 TB	Fast charging time (50%)	30 min
Number of SSDs installed	2	Power	
SSD capacity	1 TB	AC adapter power	380 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	19 A
Optical drive type *	✗	AC adapter output voltage	20 V
Card reader integrated	✗	USB Type-C charging port *	✓
Graphics		USB Power Delivery (USB PD)	✓
Discrete GPU manufacturer	NVIDIA	Security	
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Face recognition	✓
Discrete graphics card memory	16 GB	Windows Hello	✓
Discrete graphics memory type	GDDR7	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	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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