

ASUS ROG Strix SCAR 18 G835LW-SA151W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 64 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Black

Brand : ASUS

Product family: ROG

Product code: 90NR0LI1-M00770

Product name : G835LW-SA151W

- Windows 11 Home 64-bit
- Intel Core Ultra 9 275HX (36MB Cache)
- 45.7 cm (18") WQXGA 2560 x 1600, NVIDIA GeForce RTX 5080 (16GB GDDR7)
- 64GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core Ultra 9 275HX (36MB Cache), 64GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WQXGA 2560 x 1600, Intel Graphics, NVIDIA GeForce RTX 5080 (16GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix SCAR 18 G835LW-SA151W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 64 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Black:

ROG STRIX SCAR 18

Victory, accelerated.

Game with the greatest, backed up by the power of up to Intel® Core™ Ultra 9 processor 275HX. With 8 Performance and 16 Efficient cores, this next-gen silicon can drive high framerates in esports and AAA games alike. The SCAR 18 also has access to AI acceleration in select content creation apps, giving you incredible flexibility on how you can utilize your gaming machine.



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	✓
Display		Audio	
Display diagonal *	45.7 cm (18")	Audio system	Dolby Atmos
Display resolution *	2560 x 1600 pixels	Number of built-in speakers	4
Touchscreen *	✗	Built-in microphone	✓
HD type	WQXGA	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera HD type	Full HD
Display brightness	1200 cd/m²	Infrared (IR) camera	✓
RGB colour space	DCI-P3	Network	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
High Dynamic Range (HDR) supported	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	Antenna type	2x2
Processor family *	Intel Core Ultra 9	Ethernet LAN	✓
Processor generation	Intel Core Ultra (Series 2)	Ethernet LAN data rates	2500 Mbit/s
Processor model *	275HX	Bluetooth	✓
Processor cores	24	Bluetooth version	5.3
Processor threads	24	Ports & interfaces	
Processor boost frequency	5.4 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Performance cores	8	Ethernet LAN (RJ-45) ports	1
Efficient cores	16		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.4 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	4.6 GHz	HDMI version	2.1
Performance-core base frequency	2.7 GHz	Thunderbolt 5 ports quantity	2
Efficient-core base frequency	2.1 GHz	Intel® Thunderbolt 5	✓
Processor cache	36 MB	Combo headphone/mic port	✓
Processor base power	55 W	USB Type-C DisplayPort Alternate Mode	✓
Maximum turbo power	160 W		
Neural processor unit (NPU)		Performance	
Neural processor unit (NPU)	Intel AI Boost	Repairability index	9.9
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
Memory		Software	
Internal memory *	64 GB	Operating system architecture	64-bit
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 16 GB	Number of battery cells	4
Memory slots	2x SO-DIMM	Battery capacity *	90 Wh
Maximum internal memory *	64 GB	Power	
Storage		AC adapter power	380 W
Total storage capacity *	1 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	AC adapter output current	19 A
Number of SSDs installed	1	AC adapter output voltage	20 V
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	Windows Hello	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Graphics		Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Password protection type	BIOS, User
Discrete graphics card memory	16 GB	Weight & dimensions	
Discrete graphics memory type	GDDR7	Width	399 mm
On-board graphics card *	✓	Depth	298 mm
		Height (front)	2.35 cm
		Height (rear)	3.2 cm
		Weight *	3.48 kg
		Packaging content	
		Mouse included	✓
		AC adapter included *	✓
		Bag included	✓



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