

ASUS ROG Strix SCAR 18 G835LW-SA023W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home German Black



Brand : ASUS

Product family: ROG

Product code: 90NR0L11-M000R0

Product name : G835LW-SA023W

- 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 5080 (16GB 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 5080 (16GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix SCAR 18 G835LW-SA023W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home German Black:

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 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 HD type	Full HD
HD type	WQXGA	Infrared (IR) camera	✓
Panel type	Mini LED	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)	1200 cd/m ²	Mobile network connection *	✗
RGB colour space	DCI-P3	Antenna type	2x2
Colour gamut	100%	Ethernet LAN	✓
Display response rise/fall	3 ms	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Maximum refresh rate	240 Hz	Bluetooth	✓
High Dynamic Range (HDR) supported	✓	Bluetooth version	5.4
High Dynamic Range (HDR) technology	Dolby Vision	Ports & interfaces	
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor manufacturer *	Intel	Ethernet LAN (RJ-45) ports	1
Processor family *	Intel Core Ultra 9	HDMI ports quantity *	1
Processor generation	Intel Core Ultra (Series 2)	HDMI version	2.1
Processor model *	275HX	Thunderbolt 5 ports quantity	2
Processor cores	24	Intel® Thunderbolt 5	✓
Processor threads	24		

Processor		Ports & interfaces	
Processor boost frequency	5.4 GHz	Combo headphone/mic port	✓
Performance cores	8	USB Type-C DisplayPort Alternate Mode	✓
Efficient cores	16		
Performance-core Max Turbo Frequency	5.4 GHz		
Efficient-core Max Turbo Frequency	4.6 GHz		
Performance-core base frequency	2.7 GHz		
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	✓	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 *	64 GB	Pointing device	Touchpad
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 32 GB	Keyboard backlit zone	Per-key RGB
Memory slots	2x SO-DIMM	Keyboard layout	QWERTZ
Maximum internal memory *	64 GB	Keyboard language	German
Memory channels	Dual-channel	Copilot key	✓
Storage		Software	
Total storage capacity *	2 TB	Operating system architecture	64-bit
Storage media *	SSD	Microsoft Copilot	✓
Total SSDs capacity	2 TB	Trial software	Microsoft 365 (30-days)
SSD interface	PCI Express 4.0	Operating system installed *	Windows 11 Home
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	✓
On-board graphics card *	✓	Fast charging time (50%)	30 min
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		
		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	399 mm
		Depth	298 mm
		Height (front)	2.35 cm
		Height (rear)	3.2 cm
		Weight *	3.3 kg
		Packaging data	
		Package width	490 mm
		Package depth	106 mm
		Package height	355 mm
		Package weight	3.55 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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