

ASUS ROG Strix SCAR 18 G835LWG-TQ304W Intel Core Ultra 9 290HX Plus Laptop 45.7 cm (18") WQUXGA 32 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-M00EM0

Product name : G835LWG-TQ304W

Intel Core Ultra 9 290HX Plus (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 18" WQUXGA 3840 x 2400 Mini LED, Intel Graphics, NVIDIA GeForce RTX 5080 (16GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix SCAR 18 G835LWG-TQ304W Intel Core Ultra 9 290HX Plus Laptop 45.7 cm (18") WQUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Black:

Victory, accelerated.

The Strix SCAR 18 features 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 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	Discrete graphics card *	✓
Product type *	Laptop	On-board graphics card family	Intel® Graphics
Product colour *	Black	On-board graphics card model *	Intel® Graphics
Form factor *	Clamshell	Total Graphics Power (TGP)	175 W
Market positioning	Gaming	NVIDIA G-SYNC	✓
Introduction year	2026	Audio	
Certified refurbished	✗	Audio system	Smart Amp
Display		Number of built-in speakers	4
Display diagonal *	45.7 cm (18")	Built-in microphone	✓
Display resolution *	3840 x 2400 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	WQUXGA	Front camera resolution	1920 x 1080 pixels
Panel type	Mini LED	Front camera HD type	Full HD
Native aspect ratio	16:10	Infrared (IR) camera	✓
Anti-glare screen	✓	Network	
Maximum display brightness (HDR)	1200 cd/m²	Wi-Fi	✓
RGB colour space	DCI-P3	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Colour gamut	100%	Wi-Fi standards	Wi-Fi 7 (802.11be)
Maximum refresh rate	240 Hz	Mobile network connection *	✗
Contrast ratio (typical)	100000:1	Antenna type	2x2
High Dynamic Range (HDR) supported	✓	Ethernet LAN	✓
Processor		Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 9	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)	Ports & interfaces	
Processor model *	290HX Plus	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor threads	24	HDMI ports quantity *	1
Processor boost frequency	5.5 GHz	HDMI version	2.1
Performance cores	8	Thunderbolt 5 ports quantity	2
Efficient cores	16		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.5 GHz	Intel® Thunderbolt 5	✓
Efficient-core Max Turbo Frequency	4.7 GHz	Combo headphone/mic port	✓
Performance-core base frequency	2.7 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core base frequency	1.8 GHz	Performance	
Processor cache	36 MB	Motherboard chipset	Intel HM870 Express
Processor cache type	Smart Cache	Repairability index	9.9
Processor socket	BGA 2114	Keyboard	
Processor base power	55 W	Pointing device	Touchpad
Maximum turbo power	160 W	Numeric keypad *	✓
Neural processor unit (NPU)		Keyboard backlit	✓
Copilot+ PC	✗	Keyboard backlit colour	RGB
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit zone	Per-key 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	Microsoft Copilot	✓
NPU performance up to	13 TOPs	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
GPU performance up to	8 TOPs		
Memory			
Internal memory *	32 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	Bundled software	Xbox Game Pass Premium_2 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Premium. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Memory clock speed	5600 MHz		
Memory form factor	SO-DIMM		
Memory slots	2x SO-DIMM		
Maximum internal memory *	128 GB		
Memory channels	Dual-channel		
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	90 Wh
Number of SSDs installed	1	Fast charging	✓
SSD capacity	1 TB	Fast charging time (50%)	30 min
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	450 W
SSD form factor	M.2	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Card reader integrated	✗	AC adapter output current	21.45 A
Graphics		AC adapter output voltage	21 V
Discrete GPU manufacturer	NVIDIA	DC-in jack	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5080	USB Type-C charging port *	✓
Discrete graphics card memory	16 GB	USB Power Delivery (USB PD)	✓
Discrete graphics memory type	GDDR7	Security	
On-board graphics card *	✓	Face recognition	✓
On-board GPU manufacturer	Intel	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)	3.5 cm
		Weight *	3.7 kg

Packaging content

AC adapter included *





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Catalog Object Cloud



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