

# ASUS ROG Strix G18 G815LW-S9076W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") 2.5K 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Grey

**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0LC1-M004Y0

**Product name :** G815LW-S9076W

- Windows 11 Home 64-bit
- 45.7 cm (18") 2.5K 2560 x 1600
- 32GB (5600MHz) DDR5-SDRAM (1 x 32) & 1000GB SSD
- 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") 2.5K 2560 x 1600, Intel Graphics, LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G18 G815LW-S9076W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") 2.5K 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Grey:

## Victory, accelerated.

Game with confidence thanks to Windows 11 Pro and up to Intel® Core™ Ultra 9 processor 275HX. Backed up by the serious gaming muscle of up to NVIDIA® GeForce RTX™ 5080 Laptop GPU and up to 32GB of DDR5-5600 RAM, the 2025 Strix G18 has the perfect amount of power to keep you gaming at peak performance. With additional features like NVIDIA® Advanced Optimus, the latest DLSS enhancements, a 2TB PCIe Gen 4 SSD, the Strix G18 is truly a force to be reckoned with.

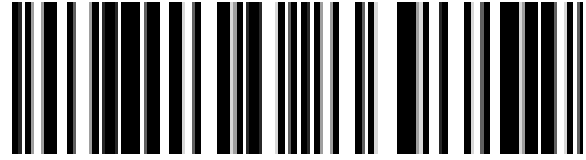


Design		Graphics	
Colour name	Eclipse Gray	Discrete graphics card *	✓
Product type *	Laptop	On-board graphics card family	Intel Graphics
Product colour *	Grey	On-board graphics card model *	Intel Graphics
Form factor *	Clamshell	<b>Audio</b>	
Market positioning	Gaming	Audio system	Dolby Atmos
Introduction year	2025	Number of built-in speakers	2
<b>Display</b>		Built-in microphone	✓
Display diagonal *	45.7 cm (18")	<b>Camera</b>	
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
Native aspect ratio	16:10	Infrared (IR) camera	✓
Anti-glare screen	✓	<b>Network</b>	
Display brightness	500 cd/m <sup>2</sup>	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)	1000:1	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	✓
<b>Processor</b>		Bluetooth version	5.4
Processor manufacturer *	Intel	<b>Ports &amp; interfaces</b>	
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		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
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	<b>Performance</b>	
Efficient-core Max Turbo Frequency	4.6 GHz	Motherboard chipset	Intel HM870 Express
Performance-core base frequency	2.7 GHz	<b>Keyboard</b>	
Efficient-core base frequency	2.1 GHz	Pointing device	Touchpad
Processor cache	36 MB	Keyboard layout	AZERTY
Processor base power	55 W	Keyboard language	Belgian
Maximum turbo power	160 W	Numeric keypad *	✓
<b>Neural processor unit (NPU)</b>		Keyboard backlit	✓
Neural processor unit (NPU)	Intel AI Boost	Keyboard backlit colour	RGB
Sparsity support	✓	Keyboard backlit zone	Per-key RGB
Windows Studio effects support	✓	Copilot key	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	<b>Software</b>	
Total processor performance up to	36 TOPs	Operating system architecture	64-bit
NPU performance up to	13 TOPs	Trial software	1-month trial for new Microsoft 365 customers
GPU performance up to	8 TOPs	Operating system installed *	Windows 11 Home
<b>Memory</b>		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.)	
Internal memory *	32 GB	Bundled software	
Internal memory type	DDR5-SDRAM	Microsoft Copilot	✓
Memory clock speed	5600 MHz	Copilot+ PC	✓
Memory form factor	SO-DIMM	<b>Battery</b>	
Memory layout (slots x size)	1 x 32 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory slots	2x SO-DIMM	Number of battery cells	4
Maximum internal memory *	64 GB	Battery capacity *	90 Wh
Memory channels	Dual-channel	Fast charging	✓
<b>Storage</b>		Fast charging time (50%)	30 min
Total storage capacity *	1 TB	<b>Power</b>	
Storage media *	SSD	AC adapter power	380 W
Total SSDs capacity	1 TB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	1 TB	AC adapter output current	19 A
SSD interface	PCI Express 4.0	AC adapter output voltage	20 V
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2	<b>Security</b>	
Optical drive type *	✗	Face recognition	✓
<b>Graphics</b>		Windows Hello	✓
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Password protection	✓
Discrete graphics card memory	16 GB	Password protection type	BIOS, User
Discrete graphics memory type	GDDR7	<b>Weight &amp; dimensions</b>	
On-board graphics card *	✓	Width	399 mm
On-board GPU manufacturer	Intel	Depth	298 mm
		Height (front)	2.35 cm
		Height (rear)	3.2 cm
		Weight *	3.42 kg
		<b>Packaging content</b>	
		AC adapter included *	✓



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