

ASUS ROG Strix G18 G815LW-S9106W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 16 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-M004Z0

Product name : G815LW-S9106W

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

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

ASUS ROG Strix G18 G815LW-S9106W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Grey:

Power up

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 memory type	GDDR7
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Grey	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Market positioning	Gaming	On-board graphics card family	Intel® Graphics
Display		On-board graphics card model *	Intel® Graphics
Display diagonal *	45.7 cm (18")	NVIDIA G-SYNC	✓
Display resolution *	2560 x 1600 pixels	Audio	
Touchscreen *	✗	Audio system	Dolby Atmos
HD type	WQXGA	Number of built-in speakers	2
Panel type	IPS-Level	Built-in microphone	✓
LED backlight	✓	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera HD type	Full HD
RGB colour space	DCI-P3	Infrared (IR) camera	✓
Colour gamut	100%	Network	
Maximum refresh rate	240 Hz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
High Dynamic Range (HDR) supported	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
High Dynamic Range (HDR) technology	Dolby Vision	Mobile network connection *	✗
Processor		Antenna type	2x2
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel Core Ultra 9	Ethernet LAN data rates	1000 Mbit/s
Processor generation	Intel Core Ultra (Series 2)	Bluetooth	✓
Processor model *	275HX	Bluetooth version	5.4
Processor cores	24	Ports & interfaces	
Processor threads	24	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor boost frequency	5.4 GHz		

Processor		Ports & interfaces	
Performance cores	8	Ethernet LAN (RJ-45) ports	1
Efficient cores	16	HDMI ports quantity *	1
Performance-core Max Turbo Frequency	5.4 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	4.6 GHz	Thunderbolt 5 ports quantity	2
Performance-core base frequency	2.7 GHz	Intel® Thunderbolt 5	✓
Efficient-core base frequency	2.1 GHz	Combo headphone/mic port	✓
Processor cache	36 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	55 W		
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	4-zone RGB
Memory		Copilot key	✓
Internal memory *	16 GB	Software	
Internal memory type	DDR5-SDRAM	Operating system architecture	64-bit
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Home
Memory form factor	SO-DIMM	Battery	
Memory slots	2x SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	64 GB	Number of battery cells	4
Memory channels	Dual-channel	Battery capacity *	90 Wh
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	380 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	19 A
SSD capacity	1 TB	AC adapter output voltage	20 V
SSD interface	PCI Express 4.0	USB Type-C charging port *	✓
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2	Security	
Optical drive type *	✗	Windows Hello	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Password protection type	BIOS, User
Discrete graphics card memory	16 GB	Weight & dimensions	
		Width	399 mm
		Depth	298 mm
		Height (front)	2.35 cm
		Height (rear)	3.2 cm
		Weight *	3.2 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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