

ASUS ROG Strix G18 G815LP-S9005W laptop Intel Core Ultra 9 275HX 45.7 cm (18") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 7 (802.11be) Windows 11 Home Black, Grey

Brand : ASUS

Product family: ROG

Product code: G815LP-S9005W

Product name : G815LP-S9005W

Intel Core ultra 9 275HX, RTX 5070, 18", 2.5K, IPS-level, 240Hz, 16GB DDR5, 1TB SSD
ASUS ROG Strix G18 G815LP-S9005W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 275HX. Display diagonal: 45.7 cm (18"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5070. Operating system installed: Windows 11 Home. Product colour: Black, Grey



Design		Graphics	
Colour name	Eclipse Gray	Discrete graphics memory type	GDDR7
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Black, Grey	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Market positioning	Gaming	On-board graphics card family	Intel Graphics
Introduction year	2025	On-board graphics card model *	Intel Graphics
Display		NVIDIA G-SYNC	✓
Display diagonal *	45.7 cm (18")	Audio	
Display resolution *	2560 x 1600 pixels	Audio system	Smart Amp
Touchscreen *	✗	Number of built-in speakers	2
HD type	WQXGA	Built-in microphone	✓
Panel type	IPS-Level	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera resolution	1920 x 1080 pixels
Display brightness	500 cd/m²	Front camera HD type	Full HD
RGB colour space	DCI-P3	Infrared (IR) camera	✓
Colour gamut	100%	Network	
Display response rise/fall	3 ms	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum refresh rate	240 Hz	Wi-Fi standards	Wi-Fi 7 (802.11be)
Contrast ratio (typical)	1000:1	Mobile network connection *	✗
High Dynamic Range (HDR) supported	✓	Antenna type	2x2
High Dynamic Range (HDR) technology	Dolby Vision	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 *	275HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor cores	24	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor threads	24	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.4 GHz	HDMI ports quantity *	1
Performance cores	8		
Efficient cores	16		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.4 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	4.6 GHz	Thunderbolt 4 ports quantity	1
Performance-core base frequency	2.7 GHz	Intel® Thunderbolt 4	✓
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)		Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Pointing device	Touchpad
Sparsity support	✓	Numeric keypad *	✓
Windows Studio effects support	✓	Keyboard backlit	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard backlit colour	RGB
Total processor performance up to	36 TOPs	Keyboard backlit zone	Per-key RGB
NPU performance up to	13 TOPs	Copilot key	✓
GPU performance up to	8 TOPs		
Memory		Software	
Internal memory *	16 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Home
Memory form factor	SO-DIMM		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.)
Memory layout (slots x size)	1 x 16 GB	Bundled software	
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB	Microsoft Copilot	✓
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		
SSD capacity	1 TB	Power	
SSD interface	PCI Express 4.0	DC-in jack	✓
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Power Delivery (USB PD)	✓
Optical drive type *	✗		
Card reader integrated	✗	Security	
Graphics		Face recognition	✓
Discrete GPU manufacturer	NVIDIA	Windows Hello	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5070	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	8 GB	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 *	3.2 kg
		Packaging content	
		AC adapter included *	✓



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Publication date: 27-MAR-2025. Prints or copies of Information are only valid on the printed Publication date