

ASUS ROG Strix G15 G615LW-S5075W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Black, Grey



Brand : ASUS

Product family: ROG

Product code: 90NR0LG1-M002T0

Product name : G615LW-S5075W

- Windows 11 Home 64-bit
 - Intel Core Ultra 9 275HX (36MB Cache)
 - 40.6 cm (16") 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, 40.6 cm (16") 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 G15 G615LW-S5075W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Black, 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 G16 has the perfect amount of power to keep you gaming at peak performance. With additional features like NVIDIA Max-Q technologies, including Advanced Optimus, NVIDIA DLSS 4 with Multi Frame Generation, and a 2TB PCIe Gen 4 SSD, the Strix G16 is truly a force to be reckoned with.

Design		Graphics	
Colour name	Eclipse Gray	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✓
Product colour *	Black, Grey	On-board graphics card family	Intel® Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel® Graphics
Market positioning	Gaming	NVIDIA G-SYNC	✓
Introduction year	2025	Audio	
Certified refurbished	✗	Audio system	Smart Amp
Display		Number of built-in speakers	2
Display diagonal *	40.6 cm (16")	Built-in microphone	✓
Display resolution *	2560 x 1600 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	WQXGA	Front camera HD type	Full HD
Panel type	IPS-Level	Infrared (IR) camera	✓
Native aspect ratio	16:10	Network	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display brightness	500 cd/m²	Wi-Fi standards	Wi-Fi 7 (802.11be)
RGB colour space	DCI-P3	Mobile network connection *	✗
Colour gamut	100%	Antenna type	2x2
Maximum refresh rate	240 Hz	Ethernet LAN	✓
Contrast ratio (typical)	1200:1	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
High Dynamic Range (HDR) supported	✓	Bluetooth	✓
High Dynamic Range (HDR) technology	Dolby Vision	Bluetooth version	5.4
Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor family *	Intel Core Ultra 9	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel Core Ultra (Series 2)	HDMI ports quantity *	1
Processor model *	275HX		

Processor		Ports & interfaces	
Processor cores	24	HDMI version	2.1
Processor threads	24	Thunderbolt 5 ports quantity	2
Processor boost frequency	5.4 GHz	Intel® Thunderbolt 5	✓
Performance cores	8	Combo headphone/mic port	✓
Efficient cores	16	USB Type-C DisplayPort Alternate Mode	✓
Performance-core Max Turbo Frequency	5.4 GHz	Performance	
Efficient-core Max Turbo Frequency	4.6 GHz	Motherboard chipset	Intel HM870 Express
Performance-core base frequency	2.7 GHz	Keyboard	
Efficient-core base frequency	2.1 GHz	Pointing device	Touchpad
Processor cache	36 MB	Numeric keypad *	✗
Processor base power	55 W	Keyboard backlit	✓
Maximum turbo power	160 W	Keyboard backlit colour	RGB
Neural processor unit (NPU)		Keyboard backlit zone	4-zone RGB
Copilot+ PC	✗	Copilot key	✓
Neural processor unit (NPU)	Intel AI Boost	Software	
Sparsity support	✓	Operating system architecture	64-bit
Windows Studio effects support	✓	Microsoft Copilot	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Total processor performance up to	36 TOPs	Operating system installed *	Windows 11 Home
NPU performance up to	13 TOPs	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.)	
GPU performance up to	8 TOPs		
Memory		Bundled software	
Internal memory *	16 GB	Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory clock speed	5600 MHz	Number of battery cells	4
Memory form factor	SO-DIMM	Battery capacity *	90 Wh
Memory slots	2x SO-DIMM	Fast charging	✓
Maximum internal memory *	64 GB	Fast charging time (50%)	30 min
Memory channels	Dual-channel	Power	
Storage		AC adapter power	380 W
Total storage capacity *	1 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	AC adapter output current	19 A
Number of SSDs installed	1	AC adapter output voltage	20 V
SSD capacity	1 TB	DC-in jack	✓
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 *	✗	Face recognition	✓
Card reader integrated	✗	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	
Discrete graphics memory type	GDDR7	Width	354 mm
On-board graphics card *	✓	Depth	268 mm
		Height (front)	2.28 cm
		Height (rear)	3.08 cm
		Weight *	2.65 kg

Packaging content

AC adapter included *





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Catalog Object Cloud



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