

ASUS ROG Strix G16 G615LW-S5116W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home German Green, Grey



Brand : ASUS

Product family: ROG

Product code: 90NR0LG2-M005D0

Product name : G615LW-S5116W

- Windows 11 Home 64-bit
 - Intel Core Ultra 9 275HX (36MB Cache)
 - 16" WQXGA 2560 x 1600 IPS-Level, NVIDIA GeForce RTX 5080 (16GB GDDR7)
 - 32GB (5600MHz) DDR5-SDRAM & 1000GB SSD
 Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 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 G16 G615LW-S5116W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home German Green, Grey:

Power up

Game with confidence thanks to Windows 11 Home and Intel® Core™ Ultra 9 processor 275HX. Backed up by the serious gaming muscle of NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU and 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® Advanced Optimus, the latest DLSS enhancements, a 1TB PCIe Gen 4 SSD, the Strix G16 is truly a force to be reckoned with.

Design		Graphics	
Colour name	Volt Green	On-board graphics card *	✓
Product type *	Laptop	On-board GPU manufacturer	Intel
Product colour *	Green, Grey	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel® Graphics
Housing material	Plastic	On-board graphics card model *	Intel® Graphics
Market positioning	Gaming	NVIDIA G-SYNC	✓
Certified refurbished	✗	Audio	
Display		Audio system	Dolby Atmos
Display diagonal *	40.6 cm (16")	Number of built-in speakers	2
Display resolution *	2560 x 1600 pixels	Built-in microphone	✓
Touchscreen *	✗	Camera	
HD type	WQXGA	Front camera	✓
Panel type	IPS-Level	Front camera HD type	Full HD
Native aspect ratio	16:10	Infrared (IR) camera	✓
Anti-glare screen	✓	Network	
Display brightness	500 cd/m²	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 *	✗
Processor		Antenna type	2x2
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel Core Ultra 9	Ethernet LAN data rates	10,100,1000,2500 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		
Performance cores	8		
Efficient cores	16		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.4 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core Max Turbo Frequency	4.6 GHz	HDMI ports quantity *	1
Performance-core base frequency	2.7 GHz	HDMI version	2.1
Efficient-core base frequency	2.1 GHz	Thunderbolt 5 ports quantity	2
Processor cache	36 MB	Intel® Thunderbolt 5	✓
Processor base power	55 W	Combo headphone/mic port	✓
Maximum turbo power	160 W	USB Type-C DisplayPort Alternate Mode	✓
Neural processor unit (NPU)		Performance	
Copilot+ PC	✗	Motherboard chipset	Intel HM870
Neural processor unit (NPU)	Intel AI Boost	Keyboard	
Sparsity support	✓	Pointing device	Touchpad
Windows Studio effects support	✓	Numeric keypad *	✗
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard backlit	✓
Total processor performance up to	36 TOPs	Keyboard backlit colour	RGB
NPU performance up to	13 TOPs	Keyboard backlit zone	Per-key RGB
GPU performance up to	8 TOPs	Keyboard layout	QWERTZ
Memory		Keyboard language	German
Internal memory *	32 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
Storage		Battery capacity *	90 Wh
Total storage capacity *	1 TB	Power	
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	✓	DC-in jack	✓
SSD form factor	M.2	USB Type-C charging port *	✓
Optical drive type *	✗	USB Power Delivery (USB PD)	✓
Graphics		Security	
Discrete GPU manufacturer	NVIDIA	Windows Hello	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	16 GB	Password protection	✓
Discrete graphics memory type	GDDR7	Password protection type	BIOS, User
		Weight & dimensions	
		Width	354 mm
		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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