

## ASUS ROG Strix G16 G615LW-XS96-CA 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 Pro Black, Grey

**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0LG1-M001F0

**Product name :** G615LW-XS96-CA

- Windows 11 Pro 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)  
 - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD  
 Intel Core Ultra 9 275HX (36MB Cache), 32GB 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 Pro 64-bit

ASUS ROG Strix G16 G615LW-XS96-CA 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 Pro 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 graphics card *	✓
Product type *	Laptop	On-board GPU manufacturer	Intel
Product colour *	Black, Grey	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel Graphics
Market positioning	Gaming	On-board graphics card model *	Intel Graphics
Introduction year	2025	NVIDIA G-SYNC	✓
Display		Audio	
Display diagonal *	40.6 cm (16")	Audio system	Smart Amp
Display resolution *	2560 x 1600 pixels	Number of built-in speakers	2
Touchscreen *	✗	Built-in microphone	✓
HD type	WQXGA	Camera	
Panel type	IPS-Level	Front camera	✓
Native aspect ratio	16:10	Front camera HD type	Full HD
Anti-glare screen	✓	Infrared (IR) camera	✓
Display brightness	500 cd/m²	Network	
RGB colour space	DCI-P3	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Colour gamut	100%	Wi-Fi standards	Wi-Fi 7 (802.11be)
Maximum refresh rate	240 Hz	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		

Processor		Ports & interfaces	
Processor threads	24	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.4 GHz	HDMI ports quantity *	1
Performance cores	8	HDMI version	2.1
Efficient cores	16	Thunderbolt 5 ports quantity	2
Performance-core Max Turbo Frequency	5.4 GHz	Intel® Thunderbolt 5	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Combo headphone/mic port	✓
Performance-core base frequency	2.7 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core base frequency	2.1 GHz		
Processor cache	36 MB		
Processor base power	55 W		
Maximum turbo power	160 W		
Neural processor unit (NPU)		Performance	
Neural processor unit (NPU)	Intel AI Boost	Motherboard chipset	Intel HM870 Express
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 NPU performance up to	36 TOPs	Keyboard backlit	✓
GPU performance up to	8 TOPs	Keyboard backlit colour	RGB
		Keyboard backlit zone	Per-key RGB
Memory		Software	
Internal memory *	32 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		Windows 11 Pro
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)	2 x 16 GB	Operating system installed *	
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Memory channels	Dual-channel	Bundled software	
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	Fast charging	✓
SSD capacity	1 TB	Fast charging time (50%)	30 min
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	380 W
SSD form factor	M.2	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Card reader integrated	✗	AC adapter output current	19 A
Graphics		AC adapter output voltage	20 V
Discrete GPU manufacturer	NVIDIA	USB Type-C charging port *	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5080	USB Power Delivery (USB PD)	✓
Discrete graphics card memory	16 GB	Security	
Discrete graphics memory type	GDDR7	Face recognition	✓
		Windows Hello	✓
		Trusted Platform Module (TPM)	✓
		Password protection	✓
		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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