

ASUS ROG Strix G16 G615LR-S5191W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") 2.5K 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0LR1-M007R0

Product name : G615LR-S5191W

Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 40.6 cm (16") 2.5K 2560 x 1600 IPS-Level, Intel Graphics, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

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Victory, accelerated.

The Strix G16 features an Intel® Core™ Ultra 9 processor 275HX boasting up to a 65W TDP with 8 Performance-cores and 16 Efficient-cores, paired with an NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU (992 AI TOPS) with a max TGP of 175W, ensuring flawless AAA gaming experiences while making resource-intensive tasks like programming and rendering effortless and seamless.



Design		Graphics	
Colour name	Eclipse Gray	On-board graphics card family	Intel Graphics
Product type *	Laptop	On-board graphics card model *	Intel Graphics
Product colour *	Grey	NVIDIA G-SYNC	✓
Form factor *	Clamshell	Audio	
Market positioning	Gaming	Audio system	Dolby Atmos
Introduction year	2025	Number of built-in speakers	2
Country of origin	China	Built-in microphone	✓
Display		Camera	
Display diagonal *	40.6 cm (16")	Front camera	✓
Display resolution *	2560 x 1600 pixels	Front camera resolution	1920 x 1080 pixels
Touchscreen *	✗	Front camera HD type	Full HD
HD type	2.5K	Infrared (IR) camera	✓
Panel type	IPS-Level	Network	
Native aspect ratio	16:9	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Anti-glare screen	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
Display brightness	500 cd/m²	Mobile network connection *	✗
RGB colour space	DCI-P3	Antenna type	2x2
Colour gamut	100%	Ethernet LAN	✓
Maximum refresh rate	240 Hz	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Contrast ratio (typical)	1200:1	Bluetooth	✓
High Dynamic Range (HDR) supported	✓	Bluetooth version	5.4
High Dynamic Range (HDR) technology	Dolby Vision	Ports & interfaces	
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor manufacturer *	Intel	Ethernet LAN (RJ-45) ports	1
Processor family *	Intel Core Ultra 9	HDMI ports quantity *	1
Processor generation	Intel Core Ultra (Series 2)		

Processor		Ports & interfaces	
Processor model *	275HX	HDMI version	2.1
Processor cores	24	Thunderbolt 5 ports quantity	2
Processor threads	24	Intel® Thunderbolt 5	✓
Processor boost frequency	5.4 GHz	Combo headphone/mic port	✓
Performance cores	8	Keyboard	
Efficient cores	16	Pointing device	Touchpad
Performance-core Max Turbo Frequency	5.4 GHz	Numeric keypad *	✗
Efficient-core Max Turbo Frequency	4.6 GHz	Keyboard backlit	✓
Performance-core base frequency	2.7 GHz	Keyboard backlit colour	RGB
Efficient-core base frequency	2.1 GHz	Keyboard backlit zone	Per-key RGB
Processor cache	36 MB	Copilot key	✓
Processor base power	55 W	Software	
Maximum turbo power	160 W	Operating system architecture	64-bit
Neural processor unit (NPU)		Trial software	1-month trial for new Microsoft 365 customers
Neural processor unit (NPU)	Intel AI Boost	Operating system installed *	Windows 11 Home
Sparsity support	✓	Bundled software	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.)
Windows Studio effects support	✓		
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN		
Total processor performance up to	36 TOPs		
NPU performance up to	13 TOPs		
GPU performance up to	8 TOPs		
Memory		Battery	
Internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	DDR5-SDRAM	Number of battery cells	4
Memory clock speed	5600 MHz	Battery capacity *	90 Wh
Memory form factor	SO-DIMM	Fast charging	✓
Memory layout (slots x size)	2 x 16 GB	Fast charging time (50%)	30 min
Memory slots	2x SO-DIMM	Power	
Maximum internal memory *	64 GB	AC adapter power	280 W
Memory channels	Dual-channel	AC adapter frequency	50 - 60 Hz
Storage		AC adapter input voltage	100 - 240 V
Total storage capacity *	2 TB	AC adapter output current	19 A
Storage media *	SSD	AC adapter output voltage	20 V
Total SSDs capacity	2 TB	USB Type-C charging port *	✓
Number of SSDs installed	1	USB Power Delivery (USB PD)	✓
SSD capacity	2 TB	Security	
SSD interface	PCI Express 4.0	Face recognition	✓
NVMe	✓	Windows Hello	✓
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Password protection	✓
Graphics		Password protection type	BIOS, User
Discrete GPU manufacturer	NVIDIA	Weight & dimensions	
Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti	Width	354 mm
Discrete graphics card memory	12 GB	Depth	268 mm
Discrete graphics memory type	GDDR7	Height (front)	2.28 cm
On-board graphics card *	✓	Height (rear)	3.08 cm
On-board GPU manufacturer	Intel	Weight *	2.65 kg
Discrete graphics card *	✓	Packaging data	
		Package width	90 mm
		Package depth	465 mm
		Package height	335 mm
		Package weight	2.86 kg
		Packaging content	
		AC adapter included *	✓

Logistics data

Commodity Classification Automated Tracking System (CCATS)	8471300000
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