

ASUS ROG Strix G16 G615LR-S5177W Intel Core Ultra 7 255HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home German Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0LR2-M00740

Product name : G615LR-S5177W

- Windows 11 Home 64-bit
- Intel Core Ultra 7 255HX (30MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 5070 Ti (GDDR7)
- 16GB (5600MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD

Intel Core Ultra 7 255HX (30MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel Graphics, NVIDIA GeForce RTX 5070 Ti (GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G16 G615LR-S5177W Intel Core Ultra 7 255HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home German Grey:

Victory, accelerated.

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® Advanced Optimus, the latest DLSS enhancements, 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 family	Intel® Graphics
Product type *	Laptop	On-board graphics card model *	Intel® Graphics
Product colour *	Grey	Audio	
Form factor *	Clamshell	Audio system	Dolby Atmos
Market positioning	Gaming	Number of built-in speakers	2
Introduction year	2025	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	WQXGA	Infrared (IR) camera	✓
Panel type	IPS	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
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 7	Ethernet LAN (RJ-45) ports	1
Processor generation	Intel Core Ultra (Series 2)	HDMI ports quantity *	1
Processor model *	255HX	HDMI version	2.1
Processor cores	20		

Processor		Ports & interfaces	
Processor threads	20	Thunderbolt 5 ports quantity	2
Processor boost frequency	5.2 GHz	Intel® Thunderbolt 5	✓
Performance cores	8	Combo headphone/mic port	✓
Efficient cores	12		
Performance-core Max Turbo Frequency	5.2 GHz		
Efficient-core Max Turbo Frequency	4.5 GHz		
Performance-core base frequency	2.4 GHz		
Efficient-core base frequency	1.8 GHz		
Processor cache	30 MB		
Processor base power	55 W		
Maximum turbo power	160 W		
Neural processor unit (NPU)		Performance	
Neural processor unit (NPU)	Intel AI Boost	Repairability index	9.9
Sparsity support	✓		
Windows Studio effects support	✓		
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN		
Total processor performance up to	33 TOPs		
NPU performance up to	13 TOPs		
GPU performance up to	8 TOPs		
Memory		Keyboard	
Internal memory *	16 GB	Pointing device	Touchpad
Internal memory type	DDR5-SDRAM	Numeric keypad *	✗
Memory clock speed	5600 MHz	Keyboard backlit	✓
Memory form factor	SO-DIMM	Keyboard backlit colour	RGB
Memory layout (slots x size)	2 x 8 GB	Keyboard backlit zone	Per-key RGB
Memory slots	2x SO-DIMM	Keyboard layout	QWERTZ
Maximum internal memory *	64 GB	Keyboard language	German
Memory channels	Dual-channel	Copilot key	✓
Storage		Software	
Total storage capacity *	1 TB	Operating system architecture	64-bit
Storage media *	SSD	Microsoft Copilot	✓
Total SSDs capacity	1 TB		
Number of SSDs installed	1	Trial software	1-month trial for new Microsoft 365 customers.
SSD capacity	1 TB	Operating system installed *	Windows 11 Home
SSD interface	PCI Express 4.0		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.)
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti	Number of battery cells	4
Discrete graphics memory type	GDDR7	Battery capacity *	90 Wh
On-board graphics card *	✓		
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		
		Power	
		AC adapter power	280 W
		AC adapter frequency	50 - 60 Hz
		AC adapter input voltage	100 - 240 V
		AC adapter output current	19 A
		AC adapter output voltage	20 V
		USB Power Delivery (USB PD)	✓
		Security	
		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 data	
		Package width	460 mm
		Package depth	99 mm
		Package height	325 mm
		Package weight	2.9 kg

Packaging content

AC adapter included *





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Catalog Object Cloud



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