

ASUS ROG Strix G18 G815LR-S8080W Intel Core Ultra 7 255HX Laptop 45.7 cm (18") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home Grey, Green

Brand : ASUS

Product family: ROG

Product code: 90NR0LT2-M00330

Product name : G815LR-S8080W

- Windows 11 Home 64-bit
- Intel Core Ultra 7 255HX (30MB Cache)
- 45.7 cm (18") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core Ultra 7 255HX (30MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WUXGA 1920 x 1200 IPS, Intel Graphics, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G18 G815LR-S8080W Intel Core Ultra 7 255HX Laptop 45.7 cm (18") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home Grey, Green:

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 G18 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 G18 is truly a force to be reckoned with.



Design		Graphics	
Colour name	Volt Green	Discrete graphics card *	✓
Product type *	Laptop	On-board graphics card family	Intel® Graphics
Product colour *	Grey, Green	On-board graphics card model *	Intel® Graphics
Form factor *	Clamshell	NVIDIA G-SYNC	✓
Market positioning	Gaming	Audio	
Display		Audio system	Dolby Atmos
Display diagonal *	45.7 cm (18")	Number of built-in speakers	2
Display resolution *	1920 x 1200 pixels	Built-in microphone	✓
Touchscreen *	✗	Camera	
HD type	WUXGA	Front camera	✓
Panel type	IPS	Front camera HD type	Full HD
Native aspect ratio	16:10	Infrared (IR) camera	✓
Anti-glare screen	✓	Network	
Display brightness	300 cd/m²	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display diagonal (metric)	45.7 cm	Wi-Fi standards	Wi-Fi 7 (802.11be)
RGB colour space	sRGB	Mobile network connection *	✗
Colour gamut	100%	Antenna type	2x2
Maximum refresh rate	144 Hz	Ethernet LAN	✓
Processor		Ethernet LAN data rates	2500 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 7	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)	Ports & interfaces	
Processor model *	255HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
Processor cores	20	Ethernet LAN (RJ-45) ports	1
Processor threads	20	HDMI ports quantity *	1
Processor boost frequency	5.2 GHz		
Performance cores	8		
Efficient cores	12		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	5.2 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	4.5 GHz	Thunderbolt 5 ports quantity	2
Performance-core base frequency	2.4 GHz	Intel® Thunderbolt 5	✓
Efficient-core base frequency	1.8 GHz	Combo headphone/mic port	✓
Processor cache	30 MB	USB Type-C DisplayPort Alternate Mode	✓
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	33 TOPs	Keyboard backlit	✓
NPU performance up to	13 TOPs	Keyboard backlit colour	RGB
GPU performance up to	8 TOPs	Keyboard backlit zone	Per-key RGB
Memory		Software	
Internal memory *	32 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Trial software	Microsoft 365 (30-day trial)
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Home
Memory form factor	SO-DIMM		
Memory layout (slots x size)	2 x 16 GB	Battery	
Memory slots	2x SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	64 GB	Number of battery cells	4
		Battery capacity *	90 Wh
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	280 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	14 A
SSD capacity	1 TB	AC adapter output voltage	20 V
SSD interface	PCI Express 4.0	USB Type-C charging port *	✓
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2		
Optical drive type *	✗	Security	
Graphics		Windows Hello	✓
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti	Password protection	✓
Discrete graphics card memory	12 GB	Password protection type	BIOS, User
Discrete graphics memory type	GDDR7		
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	399 mm
		Depth	298 mm
		Height (front)	2.35 cm
		Height (rear)	3.2 cm
		Weight *	3.42 kg
		Packaging data	
		Package width	490 mm
		Package depth	106 mm
		Package height	355 mm
		Package weight	3.67 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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