

# ASUS ROG Strix G18 G815LM-S9008W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 7 (802.11be) Windows 11 Home Black, Grey



**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0LP1-M000F0

**Product name :** G815LM-S9008W

- Windows 11 Home 64-bit
  - Intel Core Ultra 9 275HX (36MB Cache)
  - 45.7 cm (18") WQXGA 2560 x 1600 IPS-Level, NVIDIA GeForce RTX 5060 (8GB GDDR7)
  - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
- Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WQXGA 2560 x 1600 IPS-Level, Intel Graphics, NVIDIA GeForce RTX 5060 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G18 G815LM-S9008W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 7 (802.11be) Windows 11 Home 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 G18 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 G18 is truly a force to be reckoned with.

| Design                              |                             | Graphics  |                         |
|-------------------------------------|-----------------------------|---|-------------------------|
| Colour name                         | Eclipse Gray                | On-board graphics card model *                  | Intel Graphics          |
| Product type *                      | Laptop                      | NVIDIA G-SYNC                                   | ✓                       |
| Product colour *                    | Black, Grey                 | <b>Audio</b>                                    |                         |
| Form factor *                       | Clamshell                   | Audio system                                    | Smart Amp               |
| Market positioning                  | Gaming                      | Number of built-in speakers                     | 2                       |
| Introduction year                   | 2025                        | Built-in microphone                             | ✓                       |
| Country of origin                   | China                       | <b>Camera</b>                                   |                         |
| Display                             |                             | Front camera                                    | ✓                       |
| Display diagonal *                  | 45.7 cm (18")               | Front camera HD type                            | Full HD                 |
| Display resolution *                | 2560 x 1600 pixels          | Infrared (IR) camera                            | ✓                       |
| Touchscreen *                       | ✗                           | <b>Network</b>                                  |                         |
| HD type                             | WQXGA                       | Top Wi-Fi standard *                            | Wi-Fi 7 (802.11be)      |
| Panel type                          | IPS-Level                   | Wi-Fi standards                                 | Wi-Fi 7 (802.11be)      |
| Native aspect ratio                 | 16:10                       | Mobile network connection *                     | ✗                       |
| Anti-glare screen                   | ✓                           | Antenna type                                    | 2x2                     |
| Display brightness                  | 500 cd/m²                   | Ethernet LAN                                    | ✓                       |
| RGB colour space                    | DCI-P3                      | Ethernet LAN data rates                         | 10,100,1000,2500 Mbit/s |
| Colour gamut                        | 100%                        | Bluetooth                                       | ✓                       |
| Display response rise/fall          | 3 ms                        | Bluetooth version                               | 5.4                     |
| Maximum refresh rate                | 240 Hz                      | <b>Ports &amp; interfaces</b>                   |                         |
| High Dynamic Range (HDR) supported  | ✓                           | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 3                       |
| High Dynamic Range (HDR) technology | Dolby Vision                | Ethernet LAN (RJ-45) ports                      | 1                       |
| Processor                           |                             | HDMI ports quantity *                           | 1                       |
| Processor manufacturer *            | Intel                       | HDMI version                                    | 2.1                     |
| Processor family *                  | Intel Core Ultra 9          | Thunderbolt 5 ports quantity                    | 2                       |
| Processor generation                | Intel Core Ultra (Series 2) | Intel® Thunderbolt 5                            | ✓                       |
| Processor model *                   | 275HX                       |   |                         |

| Processor                               |  | Ports & interfaces                    |   |
|---|--|---------------------------------------|---|
| Processor cores                         | 24   | Combo headphone/mic port              | ✓   |
| Processor threads                       | 24   | USB Type-C DisplayPort Alternate Mode | ✓   |
| Processor boost frequency               | 5.4 GHz  | <b>Performance</b>                    |   |
| Performance cores                       | 8  | Motherboard chipset                   | Intel HM870 Express   |
| Efficient cores                         | 16   | <b>Keyboard</b>                       |   |
| Performance-core Max Turbo Frequency    | 5.4 GHz  | Pointing device                       | Touchpad  |
| Efficient-core Max Turbo Frequency      | 4.6 GHz  | Numeric keypad *                      | ✓   |
| Performance-core base frequency         | 2.7 GHz  | Keyboard backlit                      | ✓   |
| Efficient-core base frequency           | 2.1 GHz  | Keyboard backlit colour               | RGB   |
| Processor cache                         | 36 MB  | Keyboard backlit zone                 | Per-key RGB   |
| Processor base power                    | 55 W   | Copilot key                           | ✓   |
| Maximum turbo power                     | 160 W  | <b>Software</b>                       |   |
| Neural processor unit (NPU)             |  | Operating system architecture         | 64-bit  |
| Neural processor unit (NPU)             | Intel AI Boost                                 | Trial software                        | 1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days   |
| Sparsity support                        | ✓  | Operating system installed *          | Windows 11 Home   |
| Windows Studio effects 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.) |
| 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  | Microsoft Copilot                     | ✓   |
| GPU performance up to                   | 8 TOPs   | <b>Battery</b>                        |   |
| Memory                                  |  | Battery technology                    | Lithium-Ion (Li-Ion)  |
| Internal memory *                       | 32 GB  | Number of battery cells               | 4   |
| Internal memory type                    | DDR5-SDRAM                                     | Battery capacity *                    | 90 Wh   |
| Memory clock speed                      | 5600 MHz                                       | Fast charging                         | ✓   |
| Memory form factor                      | SO-DIMM  | Fast charging time (50%)              | 30 min  |
| Memory layout (slots x size)            | 2 x 16 GB                                      | <b>Power</b>                          |   |
| Memory slots                            | 2x SO-DIMM                                     | AC adapter power                      | 280 W   |
| Maximum internal memory *               | 64 GB  | AC adapter frequency                  | 50 - 60 Hz  |
| Memory channels                         | Dual-channel                                   | AC adapter input voltage              | 100 - 240 V   |
| Storage                                 |  | AC adapter output current             | 14 A  |
| Total storage capacity *                | 1 TB   | AC adapter output voltage             | 20 V  |
| Storage media *                         | SSD  | DC-in jack                            | ✓   |
| Total SSDs capacity                     | 1 TB   | USB Type-C charging port *            | ✓   |
| Number of SSDs installed                | 1  | USB Power Delivery (USB PD)           | ✓   |
| SSD capacity                            | 1 TB   | <b>Security</b>                       |   |
| 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                   | ✓   |
| Card reader integrated                  | ✗  | Password protection type              | BIOS, User  |
| Graphics                                |  | <b>Weight &amp; dimensions</b>        |   |
| Discrete GPU manufacturer               | NVIDIA   | Width                                 | 399 mm  |
| Discrete graphics card model *          | NVIDIA GeForce RTX 5060                        | Depth                                 | 298 mm  |
| Discrete graphics card memory           | 8 GB   | Height (front)                        | 2.35 cm   |
| Discrete graphics memory type           | GDDR7  | Height (rear)                         | 3.2 cm  |
| On-board graphics card *                | ✓  | Weight *                              | 3.2 kg  |
| On-board GPU manufacturer               | Intel  | <b>Packaging data</b>                 |   |
| Discrete graphics card *                | ✓  | Package width                         | 510 mm  |
| On-board graphics card family           | Intel Graphics                                 | Package depth                         | 95 mm   |
|   |  | Package height                        | 345 mm  |

| Packaging data   |            |
|--|------------|
| Package weight   | 3.67 kg    |
| Packaging content  |            |
| AC adapter included *  | ✓          |
| Logistics data   |            |
| Commodity Classification<br>Automated Tracking System<br>(CCATS) | 8471300000 |



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