

# ASUS ROG Strix G15 G615LW-S5075W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Black, Grey



**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0LG1-M002T0

**Product name :** G615LW-S5075W

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

ASUS ROG Strix G15 G615LW-S5075W Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 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 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 GPU manufacturer                       | Intel                   |
| Product type *                      | Laptop                      | Discrete graphics card *                        | ✓                       |
| Product colour *                    | Black, Grey                 | On-board graphics card family                   | Intel® Graphics         |
| Form factor *                       | Clamshell                   | On-board graphics card model *                  | Intel® Graphics         |
| Market positioning                  | Gaming                      | NVIDIA G-SYNC                                   | ✓                       |
| Introduction year                   | 2025                        | <b>Audio</b>                                    |                         |
| Certified refurbished               | ✗                           | Audio system                                    | Smart Amp               |
| <b>Display</b>                      |                             | Number of built-in speakers                     | 2                       |
| Display diagonal *                  | 40.6 cm (16")               | Built-in microphone                             | ✓                       |
| Display resolution *                | 2560 x 1600 pixels          | <b>Camera</b>                                   |                         |
| Touchscreen *                       | ✗                           | Front camera                                    | ✓                       |
| HD type                             | WQXGA                       | Front camera HD type                            | Full HD                 |
| Panel type                          | IPS-Level                   | Infrared (IR) camera                            | ✓                       |
| Native aspect ratio                 | 16:10                       | <b>Network</b>                                  |                         |
| Anti-glare screen                   | ✓                           | Top Wi-Fi standard *                            | Wi-Fi 7 (802.11be)      |
| Display brightness                  | 500 cd/m²                   | Wi-Fi standards                                 | Wi-Fi 7 (802.11be)      |
| RGB colour space                    | DCI-P3                      | Mobile network connection *                     | ✗                       |
| Colour gamut                        | 100%                        | Antenna type                                    | 2x2                     |
| Maximum refresh rate                | 240 Hz                      | Ethernet LAN                                    | ✓                       |
| Contrast ratio (typical)            | 1200:1                      | 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                     |
| <b>Processor</b>                    |                             | <b>Ports &amp; interfaces</b>                   |                         |
| Processor manufacturer *            | Intel                       | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 3                       |
| Processor family *                  | Intel Core Ultra 9          | Ethernet LAN (RJ-45) ports                      | 1                       |
| Processor generation                | Intel Core Ultra (Series 2) | HDMI ports quantity *                           | 1                       |
| Processor model *                   | 275HX                       |                                                 |                         |

| Processor                               |                                                | Ports & interfaces                                                                                                                                                                                                                |                                                                                     |
|-----------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Processor cores                         | 24                                             | HDMI version                                                                                                                                                                                                                      | 2.1                                                                                 |
| Processor threads                       | 24                                             | Thunderbolt 5 ports quantity                                                                                                                                                                                                      | 2                                                                                   |
| Processor boost frequency               | 5.4 GHz                                        | Intel® Thunderbolt 5                                                                                                                                                                                                              | ✓                                                                                   |
| Performance cores                       | 8                                              | Combo headphone/mic port                                                                                                                                                                                                          | ✓                                                                                   |
| Efficient cores                         | 16                                             | USB Type-C DisplayPort Alternate Mode                                                                                                                                                                                             | ✓                                                                                   |
| Performance-core Max Turbo Frequency    | 5.4 GHz                                        | Performance                                                                                                                                                                                                                       |                                                                                     |
| Efficient-core Max Turbo Frequency      | 4.6 GHz                                        | Motherboard chipset                                                                                                                                                                                                               | Intel HM870 Express                                                                 |
| Performance-core base frequency         | 2.7 GHz                                        | Keyboard                                                                                                                                                                                                                          |                                                                                     |
| Efficient-core base frequency           | 2.1 GHz                                        | Pointing device                                                                                                                                                                                                                   | Touchpad                                                                            |
| Processor cache                         | 36 MB                                          | Numeric keypad *                                                                                                                                                                                                                  | ✗                                                                                   |
| Processor base power                    | 55 W                                           | Keyboard backlit                                                                                                                                                                                                                  | ✓                                                                                   |
| Maximum turbo power                     | 160 W                                          | Keyboard backlit colour                                                                                                                                                                                                           | RGB                                                                                 |
| Neural processor unit (NPU)             |                                                | Keyboard backlit zone                                                                                                                                                                                                             | 4-zone RGB                                                                          |
| Copilot+ PC                             | ✗                                              | Copilot key                                                                                                                                                                                                                       | ✓                                                                                   |
| Neural processor unit (NPU)             | Intel AI Boost                                 | Software                                                                                                                                                                                                                          |                                                                                     |
| Sparsity support                        | ✓                                              | Operating system architecture                                                                                                                                                                                                     | 64-bit                                                                              |
| Windows Studio effects support          | ✓                                              | Microsoft Copilot                                                                                                                                                                                                                 | ✓                                                                                   |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Trial software                                                                                                                                                                                                                    | 1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days |
| Total processor performance up to       | 36 TOPs                                        | Operating system installed *                                                                                                                                                                                                      | Windows 11 Home                                                                     |
| NPU performance up to                   | 13 TOPs                                        | 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.) |                                                                                     |
| GPU performance up to                   | 8 TOPs                                         |                                                                                                                                                                                                                                   |                                                                                     |
| Memory                                  |                                                | Bundled software                                                                                                                                                                                                                  |                                                                                     |
| Internal memory *                       | 16 GB                                          | Battery                                                                                                                                                                                                                           |                                                                                     |
| Internal memory type                    | DDR5-SDRAM                                     | Battery technology                                                                                                                                                                                                                | Lithium-Ion (Li-Ion)                                                                |
| Memory clock speed                      | 5600 MHz                                       | Number of battery cells                                                                                                                                                                                                           | 4                                                                                   |
| Memory form factor                      | SO-DIMM                                        | Battery capacity *                                                                                                                                                                                                                | 90 Wh                                                                               |
| Memory slots                            | 2x SO-DIMM                                     | Fast charging                                                                                                                                                                                                                     | ✓                                                                                   |
| Maximum internal memory *               | 64 GB                                          | Fast charging time (50%)                                                                                                                                                                                                          | 30 min                                                                              |
| Memory channels                         | Dual-channel                                   | Power                                                                                                                                                                                                                             |                                                                                     |
| Storage                                 |                                                | AC adapter power                                                                                                                                                                                                                  | 380 W                                                                               |
| Total storage capacity *                | 1 TB                                           | AC adapter frequency                                                                                                                                                                                                              | 50 - 60 Hz                                                                          |
| Storage media *                         | SSD                                            | AC adapter input voltage                                                                                                                                                                                                          | 100 - 240 V                                                                         |
| Total SSDs capacity                     | 1 TB                                           | AC adapter output current                                                                                                                                                                                                         | 19 A                                                                                |
| Number of SSDs installed                | 1                                              | AC adapter output voltage                                                                                                                                                                                                         | 20 V                                                                                |
| SSD capacity                            | 1 TB                                           | DC-in jack                                                                                                                                                                                                                        | ✓                                                                                   |
| SSD interface                           | PCI Express 4.0                                | USB Type-C charging port *                                                                                                                                                                                                        | ✓                                                                                   |
| NVMe                                    | ✓                                              | USB Power Delivery (USB PD)                                                                                                                                                                                                       | ✓                                                                                   |
| SSD form factor                         | M.2                                            | Security                                                                                                                                                                                                                          |                                                                                     |
| Optical drive type *                    | ✗                                              | Face recognition                                                                                                                                                                                                                  | ✓                                                                                   |
| Card reader integrated                  | ✗                                              | Windows Hello                                                                                                                                                                                                                     | ✓                                                                                   |
| Graphics                                |                                                | Trusted Platform Module (TPM)                                                                                                                                                                                                     | ✓                                                                                   |
| Discrete GPU manufacturer               | NVIDIA                                         | Password protection                                                                                                                                                                                                               | ✓                                                                                   |
| Discrete graphics card model *          | NVIDIA GeForce RTX 5080                        | Password protection type                                                                                                                                                                                                          | BIOS, User                                                                          |
| Discrete graphics card memory           | 16 GB                                          | Weight & dimensions                                                                                                                                                                                                               |                                                                                     |
| Discrete graphics memory type           | GDDR7                                          | Width                                                                                                                                                                                                                             | 354 mm                                                                              |
| On-board graphics card *                | ✓                                              | 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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### Catalog Object Cloud



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