

## ASUS ROG Strix SCAR 18 G835LX-SA008W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Home Black



**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0LF1-M00440

**Product name :** G835LX-SA008W

- Windows 11 Home 64-bit  
- Intel Core Ultra 9 275HX (36MB Cache)  
- 45.7 cm (18") WQXGA 2560 x 1600 Mini LED, NVIDIA GeForce RTX 5090 (24GB GDDR7)  
- 64GB (5600MHz) DDR5-SDRAM (2 x 32) & 2000GB SSD  
Intel Core Ultra 9 275HX (36MB Cache), 64GB DDR5-SDRAM, 2000GB SSD, 45.7 cm (18") WQXGA 2560 x 1600 Mini LED, Intel Graphics, NVIDIA GeForce RTX 5090 (24GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix SCAR 18 G835LX-SA008W Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Home Black:

### The best of the best

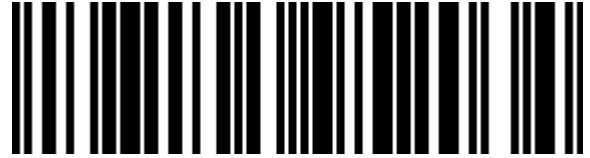
The 2025 Strix SCAR 18 offers the very best Windows 11 Pro gaming experience, featuring next gen Intel® Core™ processor and next gen NVIDIA® GeForce RTX™ Laptop GPU with Advanced Optimus. This killer hardware is complemented with up to 64GB of 5600MHz DDR5 RAM and 4TB of PCIe 4.0 storage, with the memory slots upgradable to 6400MHz DDR5 RAM and SSD slots both offering full support for PCIe Gen 5, ensuring that you always have the edge on your competition.

| Design                              |                             | Graphics                       |                         |
|-------------------------------------|-----------------------------|--------------------------------|-------------------------|
| Colour name                         | Off Black                   | Discrete graphics memory type  | GDDR7                   |
| Product type *                      | Laptop                      | On-board graphics card *       | ✓                       |
| Product colour *                    | Black                       | On-board GPU manufacturer      | Intel                   |
| Form factor *                       | Clamshell                   | Discrete graphics card *       | ✓                       |
| Market positioning                  | Gaming                      | On-board graphics card family  | Intel® Graphics         |
| Introduction year                   | 2025                        | On-board graphics card model * | Intel® Graphics         |
| Display                             |                             | NVIDIA G-SYNC                  | ✓                       |
| Display diagonal *                  | 45.7 cm (18")               | Audio                          |                         |
| Display resolution *                | 2560 x 1600 pixels          | Audio system                   | Smart Amp               |
| Touchscreen *                       | ✗                           | Number of built-in speakers    | 4                       |
| HD type                             | WQXGA                       | Built-in microphone            | ✓                       |
| Panel type                          | Mini LED                    | Camera                         |                         |
| LED backlight                       | ✓                           | Front camera                   | ✓                       |
| Native aspect ratio                 | 16:10                       | Front camera resolution        | 1920 x 1080 pixels      |
| Anti-glare screen                   | ✓                           | Front camera HD type           | Full HD                 |
| Display brightness                  | 500 cd/m²                   | Infrared (IR) camera           | ✓                       |
| RGB colour space                    | DCI-P3                      | Network                        |                         |
| Colour gamut                        | 100%                        | Top Wi-Fi standard *           | Wi-Fi 7 (802.11be)      |
| Maximum refresh rate                | 240 Hz                      | Wi-Fi standards                | Wi-Fi 7 (802.11be)      |
| High Dynamic Range (HDR) supported  | ✓                           | Mobile network connection *    | ✗                       |
| High Dynamic Range (HDR) technology | Dolby Vision                | Antenna type                   | 2x2                     |
| Processor                           |                             | Ethernet LAN                   | ✓                       |
| Processor manufacturer *            | Intel                       | Ethernet LAN data rates        | 10,100,1000,2500 Mbit/s |
| Processor family *                  | Intel Core Ultra 9          | Bluetooth                      | ✓                       |
| Processor generation                | Intel Core Ultra (Series 2) | Bluetooth version              | 5.4                     |
| Processor model *                   | 275HX                       |                                |                         |
| Processor cores                     | 24                          |                                |                         |

| Processor                               |                                                | Ports & interfaces                              |                      |
|-----------------------------------------|------------------------------------------------|-------------------------------------------------|----------------------|
| Processor threads                       | 24                                             | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 3                    |
| Processor boost frequency               | 5.4 GHz                                        | Ethernet LAN (RJ-45) ports                      | 1                    |
| Performance cores                       | 8                                              | HDMI ports quantity *                           | 1                    |
| Efficient cores                         | 16                                             | HDMI version                                    | 2.1                  |
| Performance-core Max Turbo Frequency    | 5.4 GHz                                        | Thunderbolt 5 ports quantity                    | 2                    |
| Efficient-core Max Turbo Frequency      | 4.6 GHz                                        | Intel® Thunderbolt 5                            | ✓                    |
| Performance-core base frequency         | 2.7 GHz                                        | Combo headphone/mic port                        | ✓                    |
| Efficient-core base frequency           | 2.1 GHz                                        | USB Type-C DisplayPort Alternate Mode           | ✓                    |
| Processor cache                         | 36 MB                                          | Performance                                     |                      |
| Processor base power                    | 55 W                                           | Motherboard chipset                             | Intel HM870 Express  |
| Maximum turbo power                     | 160 W                                          | Repairability index                             | 9.9                  |
| Neural processor unit (NPU)             |                                                | Keyboard                                        |                      |
| Neural processor unit (NPU)             | Intel AI Boost                                 | Pointing device                                 | Touchpad             |
| Sparsity support                        | ✓                                              | Numeric keypad *                                | ✓                    |
| Windows Studio effects support          | ✓                                              | Keyboard backlit                                | ✓                    |
| AI software frameworks supported by NPU | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Keyboard backlit colour                         | RGB                  |
| Total processor performance up to       | 36 TOPs                                        | Keyboard backlit zone                           | Per-key RGB          |
| NPU performance up to                   | 13 TOPs                                        | Copilot key                                     | ✓                    |
| GPU performance up to                   | 8 TOPs                                         | Software                                        |                      |
| Memory                                  |                                                | Operating system architecture                   | 64-bit               |
| Internal memory *                       | 64 GB                                          | Microsoft Copilot                               | ✓                    |
| Internal memory type                    | DDR5-SDRAM                                     | Operating system installed *                    | Windows 11 Home      |
| Memory clock speed                      | 5600 MHz                                       | Battery                                         |                      |
| Memory form factor                      | SO-DIMM                                        | Battery technology                              | Lithium-Ion (Li-Ion) |
| Memory layout (slots x size)            | 2 x 32 GB                                      | Number of battery cells                         | 4                    |
| Memory slots                            | 2x SO-DIMM                                     | Battery capacity *                              | 90 Wh                |
| Maximum internal memory *               | 64 GB                                          | Fast charging                                   | ✓                    |
| Memory channels                         | Dual-channel                                   | Fast charging time (50%)                        | 30 min               |
| Storage                                 |                                                | Power                                           |                      |
| Total storage capacity *                | 2 TB                                           | AC adapter power                                | 380 W                |
| Storage media *                         | SSD                                            | AC adapter frequency                            | 50 - 60 Hz           |
| Total SSDs capacity                     | 2 TB                                           | AC adapter input voltage                        | 100 - 240 V          |
| Number of SSDs installed                | 1                                              | AC adapter output current                       | 19 A                 |
| SSD capacity                            | 2 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                                            | 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 5090                        | Password protection type                        | BIOS, User           |
| Discrete graphics card memory           | 24 GB                                          | Weight & dimensions                             |                      |
|                                         |                                                | Width                                           | 399 mm               |
|                                         |                                                | Depth                                           | 298 mm               |
|                                         |                                                | Height (front)                                  | 2.35 cm              |
|                                         |                                                | Height (rear)                                   | 3.2 cm               |
|                                         |                                                | Weight *                                        | 3.3 kg               |
|                                         |                                                | Packaging content                               |                      |
|                                         |                                                | AC adapter included *                           | ✓                    |



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### Catalog Object Cloud



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