

**ASUS ROG Strix G18 G814PM-S8023W AMD Ryzen™ 9 8940HX Laptop 45.7 cm (18") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) Windows 11 Home Grey QWERTZ German**



**Brand :** ASUS

**Product family:** ROG

**Product code:** 90NR0L28-M00130

**Product name :** G814PM-S8023W

AMD Ryzen 9 8940HX (2.4GHz), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WUXGA 1920 x 1200 IPS, AMD Radeon 610M, NVIDIA GeForce RTX 5060 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

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ROG Strix G18

**UNITE YOUR SQUAD. RISE TO VICTORY.**

Reach new heights of Windows 11 Pro gaming with the 2025 ROG Strix G18, boasting up to an AMD Ryzen™ 9 9955HX processor and up to an NVIDIA® GeForce RTX™ 5070 Laptop GPU with a max TDP of 115W.

**Power up your play**

Draw more frames and win more games with the brand new Strix G18 and Windows 11 Pro. Powered by up to an AMD Ryzen™ 9 9955HX processor and up to an NVIDIA® GeForce RTX™ 5070 Laptop GPU boasting a max TGP of 115W with Dynamic Boost, be ready to dominate the competition in all of the latest games. With up to 32GB of 5600MHz DDR5 RAM and PCIe Gen 4.0 SSD storage, and the ability to upgrade one slot to a PCIe Gen 5 drive\*, large game libraries and intense multitasking sessions are a breeze for this gaming machine.

| Design                    |                       | Camera                                          |                     |
|---------------------------|-----------------------|-------------------------------------------------|---------------------|
| Colour name               | Eclipse Gray          | Front camera                                    | ✓                   |
| Product type *            | Laptop                | Front camera HD type                            | Full HD             |
| Product colour *          | Grey                  | <b>Network</b>                                  |                     |
| Form factor *             | Clamshell             | Top Wi-Fi standard *                            | Wi-Fi 6E (802.11ax) |
| Market positioning        | Gaming                | Wi-Fi standards                                 | Wi-Fi 6E (802.11ax) |
| Display                   |                       | Mobile network connection *                     | ✗                   |
| Display diagonal *        | 45.7 cm (18")         | Antenna type                                    | 2x2                 |
| Display resolution *      | 1920 x 1200 pixels    | Ethernet LAN                                    | ✓                   |
| Touchscreen *             | ✗                     | Bluetooth                                       | ✓                   |
| HD type                   | WUXGA                 | Bluetooth version                               | 5.3                 |
| Panel type                | IPS                   | <b>Ports &amp; interfaces</b>                   |                     |
| Native aspect ratio       | 16:10                 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2                   |
| Anti-glare screen         | ✓                     | USB4 Gen 3x2 ports quantity                     | 2                   |
| Display diagonal (metric) | 45.7 cm               | Ethernet LAN (RJ-45) ports                      | 1                   |
| RGB colour space          | sRGB                  | HDMI ports quantity *                           | 1                   |
| Colour gamut              | 100%                  | HDMI version                                    | 2.1                 |
| Maximum refresh rate      | 144 Hz                | Combo headphone/mic port                        | ✓                   |
| Processor                 |                       | USB Type-C DisplayPort Alternate Mode           | ✓                   |
| Processor manufacturer *  | AMD                   | <b>Keyboard</b>                                 |                     |
| Processor family *        | AMD Ryzen™ 9          | Pointing device                                 | Touchpad            |
| Processor generation      | AMD Ryzen 8000 Series | Numeric keypad *                                | ✓                   |
| Processor model *         | 8940HX                | Keyboard backlit                                | ✓                   |
| Processor cores           | 16                    | Keyboard backlit colour                         | RGB                 |
| Processor threads         | 32                    |                                                 |                     |
| Processor boost frequency | 5.3 GHz               |                                                 |                     |
| Processor frequency *     | 2.4 GHz               |                                                 |                     |

| Processor                      |                         | Keyboard                       |                              |
|--------------------------------|-------------------------|--------------------------------|------------------------------|
| Processor cache type           | L2 & L3                 | Keyboard backlit zone          | Per-key RGB                  |
| L3 cache                       | 64 MB                   | Keyboard layout                | QWERTZ                       |
| L2 cache                       | 16 MB                   | Keyboard language              | German                       |
| 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                 | <b>Battery</b>                 |                              |
| Memory slots                   | 2x SO-DIMM              | Battery technology             | Lithium-Ion (Li-Ion)         |
| Maximum internal memory *      | 64 GB                   | Number of battery cells        | 4                            |
| Storage                        |                         | Battery capacity *             | 90 Wh                        |
| Total storage capacity *       | 1 TB                    | <b>Power</b>                   |                              |
| Storage media *                | SSD                     | AC adapter power               | 280 W                        |
| Total SSDs capacity            | 1 TB                    | AC adapter frequency           | 50 - 60 Hz                   |
| Number of SSDs installed       | 1                       | AC adapter input voltage       | 100 - 240 V                  |
| SSD capacity                   | 1 TB                    | AC adapter output current      | 14 A                         |
| SSD interface                  | PCI Express 4.0         | AC adapter output voltage      | 20 V                         |
| NVMe                           | ✓                       | USB Type-C charging port *     | ✓                            |
| SSD form factor                | M.2                     | USB Power Delivery (USB PD)    | ✓                            |
| Optical drive type *           | ✗                       | <b>Security</b>                |                              |
| Graphics                       |                         | Trusted Platform Module (TPM)  | ✓                            |
| Discrete graphics card model * | NVIDIA GeForce RTX 5060 | Password protection            | ✓                            |
| Discrete graphics card memory  | 8 GB                    | Password protection type       | BIOS, User                   |
| Discrete graphics memory type  | GDDR7                   | <b>Weight &amp; dimensions</b> |                              |
| On-board graphics card *       | ✓                       | Width                          | 399 mm                       |
| On-board GPU manufacturer      | AMD                     | Depth                          | 294 mm                       |
| Discrete graphics card *       | ✓                       | Height (front)                 | 2.31 cm                      |
| On-board graphics card family  | AMD Radeon              | Height (rear)                  | 3.08 cm                      |
| On-board graphics card model * | AMD Radeon 610M         | Weight *                       | 3 kg                         |
| NVIDIA G-SYNC                  | ✓                       | <b>Packaging data</b>          |                              |
| AMD FreeSync                   | ✓                       | Package width                  | 350 mm                       |
| Audio                          |                         | Package depth                  | 110 mm                       |
| Audio system                   | Dolby Atmos             | Package height                 | 460 mm                       |
| Number of built-in speakers    | 2                       | Package weight                 | 3.25 kg                      |
| Built-in microphone            | ✓                       | <b>Packaging content</b>       |                              |
|                                |                         | AC adapter included *          | ✓                            |



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### Catalog Object Cloud



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