

ASUS ROG Strix G16 G614PR-RV016W AMD Ryzen™ 9 7940HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey

Brand : ASUS

Product family: ROG

Product code: 90NR0NJ7-M001H0

Product name : G614PR-RV016W

- Windows 11 Home 64-bit
 - AMD Ryzen 9 7940HX (64MB Cache, 2.4GHz)
 - 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7)
 - 16GB (5200MHz) DDR5-SDRAM & 1000GB SSD
 AMD Ryzen 9 7940HX (64MB Cache, 2.4GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, AMD Radeon 610M, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS ROG Strix G16 G614PR-RV016W AMD Ryzen™ 9 7940HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 6E (802.11ax) Windows 11 Home Black, Grey:

Power up your play

Draw more frames and win more games with the brand new Strix G16 and Windows 11 Pro. Powered by up to an AMD Ryzen™ 9 9955HX3D processor and up to an NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU boasting a max TGP of 140W 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 | | Audio | |
|-------------------------------------|-----------------------|---|---------------------|
| Colour name | Eclipse Gray | Built-in microphone | ✓ |
| Product type * | Laptop | Camera | |
| Product colour * | Black, Grey | Front camera | ✓ |
| Form factor * | Clamshell | Front camera HD type | Full HD |
| Housing material | Plastic | Network | |
| Market positioning | Gaming | Top Wi-Fi standard * | Wi-Fi 6E (802.11ax) |
| Introduction year | 2025 | Wi-Fi standards | Wi-Fi 6E (802.11ax) |
| Display | | Mobile network connection * | ✗ |
| Display diagonal * | 40.6 cm (16") | Antenna type | 2x2 |
| Display resolution * | 1920 x 1200 pixels | Ethernet LAN | ✓ |
| Touchscreen * | ✗ | Ethernet LAN data rates | 10,100,1000 Mbit/s |
| HD type | WUXGA | Bluetooth | ✓ |
| Panel type | IPS-Level | Bluetooth version | 5.3 |
| Native aspect ratio | 16:10 | Ports & interfaces | |
| Anti-glare screen | ✓ | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 2 |
| Display brightness | 300 cd/m² | USB4 Gen 3x2 ports quantity | 2 |
| RGB colour space | sRGB | Ethernet LAN (RJ-45) ports | 1 |
| Colour gamut | 100% | HDMI ports quantity * | 1 |
| Maximum refresh rate | 165 Hz | HDMI version | 2.1 |
| Contrast ratio (typical) | 1000:1 | Combo headphone/mic port | ✓ |
| High Dynamic Range (HDR) supported | ✓ | Power adapter barrel connector | 6.0 mm |
| High Dynamic Range (HDR) technology | Dolby Vision | USB Type-C DisplayPort Alternate Mode | ✓ |
| Processor | | Keyboard | |
| Processor manufacturer * | AMD | Pointing device | Touchpad |
| Processor family * | AMD Ryzen™ 9 | Numeric keypad * | ✗ |
| Processor generation | AMD Ryzen 7000 Series | | |

| Processor | | Keyboard | |
|--------------------------------|----------------------------|-------------------------------|---|
| Processor model * | 7940HX | Keyboard backlit | ✓ |
| Processor cores | 16 | Keyboard backlit colour | RGB |
| Processor threads | 32 | Keyboard backlit zone | 4-zone RGB |
| Processor boost frequency | 5.2 GHz | Copilot key | ✓ |
| Processor frequency * | 2.4 GHz | Software | |
| Processor cache | 64 MB | Operating system architecture | 64-bit |
| Processor cache type | L2 & L3 | Trial software | 1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days |
| Memory | | Operating system installed * | Windows 11 Home |
| Internal memory * | 16 GB | 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.) |
| Internal memory type | DDR5-SDRAM | | |
| Memory clock speed | 5200 MHz | | |
| Memory form factor | SO-DIMM | | |
| Memory slots | 2x SO-DIMM | Microsoft Copilot | ✓ |
| Maximum internal memory * | 32 GB | Battery | |
| Storage | | Battery technology | Lithium-Ion (Li-Ion) |
| Total storage capacity * | 1 TB | Number of battery cells | 4 |
| Storage media * | SSD | Battery capacity * | 90 Wh |
| Total SSDs capacity | 1 TB | Fast charging | ✓ |
| Number of SSDs installed | 1 | Fast charging time (50%) | 30 min |
| SSD capacity | 1 TB | Power | |
| SSD interface | PCI Express 4.0 | AC adapter power | 280 W |
| NVMe | ✓ | AC adapter frequency | 50 - 60 Hz |
| SSD form factor | M.2 | AC adapter input voltage | 100 - 240 V |
| Optical drive type * | ✗ | AC adapter output current | 14 A |
| Card reader integrated | ✗ | AC adapter output voltage | 20 V |
| Graphics | | DC-in jack | ✓ |
| Discrete GPU manufacturer | NVIDIA | USB Type-C charging port * | ✓ |
| Discrete graphics card model * | NVIDIA GeForce RTX 5070 Ti | USB Power Delivery (USB PD) | ✓ |
| Discrete graphics card memory | 12 GB | Security | |
| Discrete graphics memory type | GDDR7 | Trusted Platform Module (TPM) | ✓ |
| On-board graphics card * | ✓ | Password protection | ✓ |
| On-board GPU manufacturer | AMD | Password protection type | BIOS, User |
| Discrete graphics card * | ✓ | Weight & dimensions | |
| On-board graphics card family | AMD Radeon | Width | 354 mm |
| On-board graphics card model * | AMD Radeon 610M | Depth | 264 mm |
| NVIDIA G-SYNC | ✓ | Height (front) | 2.26 cm |
| Audio | | Height (rear) | 3.04 cm |
| Audio system | Smart Amp | Weight * | 2.5 kg |
| Number of built-in speakers | 2 | Packaging content | |
| | | AC adapter included * | ✓ |



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