ComX Computers
Product Specification Sheet

G614PP-91610GR0W

Asus ROG STRIX G16 G614PP Gaming Notebook Ryzen 9 8940HX 5.3GHz 16GB 1TB 16" WQXGA RTX 5070 8GB BT Win 11 Home

Product Overview

Asus ROG STRIX G16 G614PP Series G614PP-91610GR0W Grey Gaming Notebook, AMD Ryzen 9 8940HX Sixteen (16) Core up to 5.3Ghz 64MB L3 Cache Processor, 16GB DDR5-5200 SO-Dimm Memory (2x8GB), Supports 64GB Max Mem, 2 Memory slots, 1TB SSD Solid State Hard Drive PCIe, M.2 2280 slot + M.2 2280 Slot, NO optical drive (No CD), 16" WQXGA (2560 x 1600 resolution) Non Gloss Type IPS, 240Hz LED Backlit Display, nVidia Geforce RTX 5070 with 8GB dedicated graphics, 802.11ax Wi-Fi 6, 10/100/1000 Gigabit Ethernet LAN, Bluetooth, Webcam, 4 Cell Battery, Backlit Keyboard, 1x Type-C USB 4 with support for DisplayPort / G-SYNC (40Gbps), 1x Type-C USB 4 with support for DisplayPort / power delivery / G-SYNC (40Gbps), 2x USB 3.2 Gen 2 Type-A, HDMI output, 2.5 kg, Microsoft Windows 11 Home 64 bit, 1 Year Carry in warranty











Specifications

Summary Overview:

The Asus ROG Strix G16 G614PP delivers serious power for South African gamers who want smooth performance, fast loading and top-tier visuals. With its AMD Ryzen 9 8940HX processor, RTX 5070 graphics and a sharp 16-inch 240Hz WQXGA display, it's built for competitive gameplay and demanding workloads. Dual USB4 ports, Wi-Fi 6E and a spacious 1TB SSD make it a strong all-round choice for players and creators. Shop now and enjoy a laptop designed to keep up with every challenge.

Across the ROG Strix G16 series, customer feedback often highlights its excellent cooling, bright Nebula display and impressive gaming performance. Buyers range from esports players who value high frame rates to students and professionals who appreciate the fast multitasking and premium build quality.

Laptop performance tier: High-end gaming

Uses: Gaming, content creation, streaming, video editing, 3D design, advanced multitasking

Overview:

ROG Strix G16 2025 Overview

Unite Your Squad. Rise to Victory.

Step into high-end Windows 11 Pro gaming with the 2025 ROG Strix G16 . Designed for players who demand power and visual precision, this laptop can be equipped with an AMD Ryzen 9 9955HX3D processor and an Nvidia GeForce RTX 5070 Ti Laptop GPU running at up to 140W. Whether you're jumping into competitive matches or tackling creative workloads, the Strix G16 keeps performance smooth and responsive.

Highlights

- Smooth Windows 11 Pro gaming
- Up to AMD Ryzen 9 9955HX3D processor with 75W max TDP
- Up to Nvidia GeForce RTX 5070 Ti Laptop GPU with 140W max TGP and DLSS 4
- 16 inch ROG Nebula Display with 2.5K resolution, 240Hz refresh rate, 100 percent DCI P3 coverage, and ACR technology
- Advanced cooling with Tri Fan Technology, full width heatsink, full surround vents, and Conductonaut Extreme liquid metal on GPU
- Dolby Vision and Dolby Atmos support

Features:

Performance

Engineered for Power

The latest Strix G16 delivers consistently high frame rates thanks to the combination of the Ryzen 9 9955HX3D processor and the RTX 5070 Ti Laptop GPU, which can operate at up to 140W with Dynamic Boost. With up to 32GB of fast DDR5 5600MHz memory and ultra responsive PCIe Gen 4.0 storage in RAID 0, the system is ready for demanding games and heavy multitasking.

Key Specs

- Windows 11 Pro
- Up to AMD Ryzen 9 9955HX3D
- Up to Nvidia GeForce RTX 5070 Ti Laptop GPU
- 140W TGP with Dynamic Boost
- Up to 32GB DDR5
- PCIe 4.0 RAID 0 storage with PCIe 5.0 upgrade support

Tuned for Maximum Performance

ROG pushes the hardware even further. In Turbo mode, the CPU operates at 55W while the GPU reaches its 140W power limit. Switching to Manual mode allows an additional 20W to be allocated to the CPU for a total system power budget of up to 215W.

GPU Power Fully Unlocked

The RTX 5070 Ti Laptop GPU achieves its full potential with a 140W power limit, including an additional 25W from Dynamic Boost. This enables greater stability and higher frame rates, especially in modern titles and GPU accelerated apps.

High Speed DDR5 Memory

DDR5 5600MHz memory delivers roughly 17 percent faster performance than previous generation kits, ensuring quick load times and fluid multitasking.

Next Generation Storage

The RAID 0 PCIe Gen 4 SSD configuration offers up to 7000MB per second throughput, letting game worlds and large project files load almost instantly. One slot also supports PCIe Gen 5 for future upgrades.

USB4 Connectivity

Dual USB4 ports open the door to fast 40Gbps transfers, DisplayPort 1.4, G Sync external displays, and compatibility with external GPUs. Thunderbolt 3 compatibility ensures broad support for high bandwidth accessories.

Built for Gaming, Streaming, and Creation

Game developers, designers, streamers, and editors can rely on the Strix G16 to handle demanding tools such as Autodesk, Unity, and high resolution video workflows. The combination of AMD and Nvidia hardware unlocks both performance and creative flexibility.

Cooling

Advanced Thermal Engineering

To handle its powerful components, the Strix G16 uses a redesigned cooling system featuring a full width heatsink, densely packed fins, and a chassis optimized for airflow. The heatsink spans three sections with a total surface area of 174183 square mm, pushing hot air out efficiently.

Cooling Features

- Tri Fan Technology with a third dedicated fan for GPU and VRAM
- Seven high efficiency heatpipes
- Conductonaut Extreme liquid metal on GPU
- Full surround exhaust vents
- Dust filter to prevent buildup
- 0.1mm ultrathin copper fins for increased airflow

- CoolZone keyboard vents around the WASD cluster
- 0dB ambient cooling for silent operation during light workloads

Scenario Profiles

The system automatically switches between Silent, Performance, and Turbo based on your current application. Profiles can adjust lighting, disable specific keys during gaming, and apply custom system behaviors through Armoury Crate.

Display

ROG Nebula Display Quality

The 16 inch Nebula Display brings sharp clarity and fluid motion with 2.5K resolution, a 240Hz refresh rate, 3ms response time, and full DCI P3 color space coverage. Two layers of ACR film reduce reflections by more than half and improve contrast dramatically, keeping visuals vibrant even off center.

Display Highlights

- Dolby Vision HDR
- Pantone Validated color accuracy
- 100 percent DCI P3 coverage
- Nvidia G Sync for tear free gameplay
- Low blue light and flicker free certification from TUV Rheinland
- ACR film for enhanced contrast and wide viewing angles

Software and Customization

Armoury Crate Control Center

Armoury Crate provides real time hardware monitoring, fan and power profiles, and extensive RGB lighting adjustments through Aura Sync. Users can apply per game lighting, create macros, configure hotkeys, and customize performance modes.

Software Tools

- Scenario Profiles
- Performance and Manual modes
- Customizable macro keys
- GameVisual presets for different genres
- Aura Creator for detailed RGB effects
- Aura Wallpaper animations synced with device lighting

Keyboard and Controls

- Dedicated hotkeys for quick access, all fully customizable
- ROG Overstroke technology for faster key actuation
- Large glass coated touchpad with integrated NumberPad

Design

Color Options That Match Your Style

Choose from Eclipse Gray for a subtle, professional look or Volt Green for a bold and eye catching aesthetic.

Audio

Immersive, Studio Level Sound

Dolby Atmos powered speakers produce rich audio for gaming and entertainment. Hi Res certification ensures accurate music playback, while Two Way AI Noise Cancelation keeps calls and streams clear by filtering background noise from both incoming and outgoing audio.

Battery

Long Lasting Mobility

The 90Wh battery supports hours of web browsing and productivity. USB C charging up to 100W adds flexibility on the go, while the included 280W adapter charges the laptop from 0 to 50 percent in about 30 minutes.

Connectivity

Ready for Competitive Play

A dedicated RJ45 port and Wi Fi 6E ensure low latency multiplayer experiences. When connecting to external displays, HDMI 2.1 and dual USB4 ports provide support for high bandwidth, high refresh rate monitors.

Ports

1. USB 3.2 Gen2 Type A
2. USB 3.2 Gen2 Type A
3. Audio Jack
4. USB4 Type C with DisplayPort and power delivery
5. USB4 Type C with DisplayPort
6. HDMI 2.1
7. 1G Ethernet
8. Power port

Specifications:

Model	G614PP / 90NR0L67-M003W0
Marketing Name	ROG Strix G16
Operating System	Windows 11 Home
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Color	Eclipse Gray
Dimension (W x D x H)	35.4 x 26.4 x 2.26 ~ 3.04 cm (13.94" x 10.39" x 0.89" ~ 1.20")
Weight	2.50 Kg (5.51 lbs)
Processor	AMD Ryzen 9 8940HX Processor 2.4GHz (80MB Cache, up to 5.3GHz, 16 cores, 32 Threads)
Chipset	N/A
Intergrated GPU	AMD Radeon Graphics
Discrete/Optimus	MUX Switch + NVIDIA Advanced Optimus
Graphic	NVIDIA GeForce RTX 5070 Laptop GPU
Graphic Wattage	ROG Boost: 1475MHz* at 115W (1425MHz Boost Clock+50MHz OC, 100W+15W Dynamic Boost)
Graphic Memory	8GB GDDR7
Panel Size	16-inch
Resolution	2.5K (2560 x 1600, WQXGA) 16:10 aspect ratio
Refresh Rate	240Hz
Response Time (G2G)	3ms
Viewing Angle	170
Panel Tech	IPS-level
Brightness	500nits

Contrast Ratio	1200:1
DCI-P3 %	100 %
Glare	Anti-glare display
Adaptive-Sync technology	G-Sync
Pantone	Pantone Validated
Nebula Display	ROG Nebula Display
Support Dolby Vision HDR	Yes
Thermal Feature	ROG intelligent cooling
On board memory	N/A
DIMM Memory	16GB DDR5-5200 SO-DIMM
Total System Memory	DDR5 16GB
Memory Slot	2x SO-DIMM slots
Memory Max.	64GB
Storage	1TB PCIe 4.0 NVMe M.2 SSD
M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	512G/ 1TB /2TB G4x4 Value PCIe SSD
Expansion Slot (includes used)	2x DDR5 SO-DIMM slots
	2x M.2 PCIe
LAN	10/100/1000 Mbps
Wireless	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth 5.3 Wireless Card
	(*Bluetooth version may change with OS version different.)
I/O Ports	1x RJ45 LAN port
	1x Type-C USB 4 with support for DisplayPort / G-SYNC (data speed up to 40Gbps)
	1x Type-C USB 4 with support for DisplayPort / power delivery / G-SYNC (data speed up to 40Gbps)
	2x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps)
Display output	1x HDMI 2.1 FRL
Camera	1080P FHD camera
Mic	Built-in array microphone
Keyboard Type	Backlit Chiclet Keyboard 4-Zone RGB
	With Copilot key
Aura Sync	Yes
Touchpad	Touchpad
	N/A
Speakers	2-speaker system with Smart Amplifier Technology

Audio	1x 3.5mm Combo Audio Jack
	Built-in array microphone
Audio Tech	AI noise-canceling technology
	Dolby Atmos
	Hi-Res certification (for headphone)
	Smart Amp Technology
Security	BIOS Administrator Password and User Password Protection
	Trusted Platform Module (Firmware TPM)
Antivirus	McAfee 30 days free trial
Battery	90WHrs, 4S1P, 4-cell Li-ion
Fast charging	Recharge from 0-50% in 30 minutes
Power	ø6.0, 280W AC Adapter, Output: 20V DC, 14A, 280W, Input: 100~240C AC 50/60Hz universal
Required charging power	Min: 45W
	Max: 100W
	*The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher.
Xbox Game Pass	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.)
Included in the Box	ROG backpack
Ecolabels & Compliances	N/A
Reparability Index (for France)	?.?

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx.co.za/Buy-Notebooks-Laptops-G614PP-91610GR0W-Asus-ROG-STRIX-lp-332153.php

Images and specifications are provided for reference and are subject to change without notice. E&OE.

Terms of Use: https://www.comx.co.za/terms-of-use.php
Terms of Sale: https://www.comx.co.za/terms-of-sale.php

PDF generated: 2026-11-20 11:34:10.

This PDF was generated automatically and may include content prepared or assisted by automated or AI-based systems. While reasonable care is taken to ensure accuracy, errors or omissions may occur.

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.