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Product Information

Product Info
ASUS ROG Strix G16 (2023) Gaming Laptop, 16" Full HD+ WUXGA 165Hz Display Panel, NVIDIA® GeForce RTX™ 3050, Intel® Core™ i7-13650HX, 16GB DDR5, 1TB PCIe SSD, RGB Keyboard, Windows® 11, G614JJ-DS71-CA



Raise Your Game. Carry Your Squad.

Draw more frames and win more games with the brand new Strix G16 and Windows 11 Pro. Powered by up to a 13th Gen Intel® Core™ i7-13650HX Processor and up to an NVIDIA GeForce RTX 3050 Laptop GPU boasting a max TGP of 175W with Dynamic Boost, be ready to dominate the competition in all of the latest games. Backed up with a dedicated MUX Switch and NVIDIA Advanced Optimus support, the Strix G16 unlocks the true potential of its hardware. With PCIe Gen4x4 SSD storage and up to 16GB of DDR5 RAM, large game libraries and intense multitasking sessions are a breeze for this gaming machine.

- Windows® 11 Home
- Latest Intel® Core™ i7-13650HX Processor
- NVIDIA GeForce RTX™ 3050
- 16" Full HD+ 1920x1200 WUXGA 165Hz IPS-level Anti-glare display
- 16GB DDR5 RAM
- 1TB PCIe NVMe SSD
- Backlit RGB keyboard
- Wi-Fi 6E & Bluetooth 5.2



Features

Do It All

Power through any game or project with an Intel® Core™ i7-13650HX processor, featuring up to a 65W TDP and a hybrid architecture built from the ground up for Windows® 11. With up to 6 Performance cores and 8 Efficiency cores, AAA gaming is flawless and streaming is effortless.

GPU Power Unleashed

Top-tier components require power, especially when it comes to maximizing your GPU's performance. Powered by NVIDIA DLSS 3, ultra-efficient Ada Lovelace arch, and Max-Q Technologies, the NVIDIA® GeForce RTX™ 4090 Laptop GPU is fully unleashed with a max TGP of 175W with Dynamic Boost.

NVIDIA® Advanced Optimus

With NVIDIA® Advanced Optimus, the laptop can automatically route frames from the discrete GPU directly to the display using a MUX switch, bypassing the integrated graphics. This pathing improves performance 5-10% compared to machines without a MUX Switch, making sure you get the absolute best gaming experience—all without needing touch a single button. This automatic switching also preserves your machine's battery life, as it can dynamically transition between the high power discrete GPU and the lower power integrated GPU. No matter what you're doing, your machine will switch to the most optimized mode without you having to lift a finger.

Blazing Fast DDR5 Memory

Leveraging the brand new DDR5 standard, enjoy a huge generational performance jump to 4800MHz, with write times 50% faster than DDR4 equipped machines. This ultra fast memory makes all aspects of the laptop feel snappy, from intense gaming to light web browsing.

Better. Faster. Stronger.

Take on even the largest projects with confidence and a PCIe Gen4 SSD. With raw throughput up to 7000MB/s, massive files and large games will load in the blink of an eye.

Game. Stream. Create.

The Strix G series is built from the ground up for gamers — and, of course, game developers. The Strix G16 can run all of the latest game engines, enabling you to unlock your creativity and try your hand at making the next great game. Whether you're a digital artist, streamer, video editor, or dabble with animation and game development, the Strix G16 has all the horsepower you need to take your creations to the next level. Featuring up to an Intel® Core™ i7 processor and up to an NVIDIA® GeForce RTX™ 30 Series Laptop GPU, complex projects on popular development tools like Unity and Autodesk render in a snap. You have what it takes to be the best on the battlefield, but are you ready to design the next one?

ROG Intelligent Cooling™

To accommodate such powerful components, the Strix G16's chassis and motherboard were both redesigned to accommodate our new full-width heatsink, whose fins were moved even closer to the exhaust vents for more efficient cooling. The full-width heatsink is built from three different sections, surrounding the motherboard with densely-packed fins for a total surface area of 174,183mm², a 71% increase from the 2022 Strix G15. This design maximizes the available pathing for hot air to escape the machine and drastically increases overall airflow.

Finally, most gaming laptops have a dual fan cooling system, but the G16 was able to push the performance envelope even further with the introduction of a third fan that helps keep the GPU and VRAM cool. Paired with seven heatpipes and Conductionaut Extreme liquid metal on both the CPU and GPU*, the G16's cooling system is a marvel of engineering.

* Conductionaut Extreme liquid metal is applied to the GPU on models with an RTX™ 4090 GPU only.

ROG Full HD Display

The Strix G16 is also available with a Full HD 165Hz panel, with each option offering fantastic color, Dolby Vision, Adaptive-Sync support, and an 90% screen-to-body ratio for a stellar gaming and viewing experience.

Designed to Win. Built for Victory.

The Republic of Gamers was built by those who love to play video games. All ROG designs come with gamers in mind, from the chassis, lighting integration, software controls, and macro functions. These ROG exclusive design features not only give you a competitive advantage, but they make sure you never blend in with the crowd.

Endless Customization

When you want to tweak setting, monitor temperatures, or tinker with your laptop, Armoury Crate is your command center. Real-time monitoring allows you to see what your GPU, CPU and memory are doing. RGB can be adjusted on a game-by-game basis with Aura Sync. Fan and power profiles allow you to change the acoustics, power delivery, and thermal characteristics of the laptop on the fly. And exclusive game deals keep your library topped off at all times.

Aura Sync - Press the Attack

The difference between victory and defeat can be separated by a single keystroke, so the Strix G16 has a full-size keyboard designed to secure the win. Overstroke technology offers sublime work and play, reducing key actuation and improving responsiveness. Built with gamers in mind, the keyboard features spaced function keys for intuitive identification and dedicated hotkeys for quick access to essential commands. Large arrow keys allow for more accurate control in the heat of battle. A larger touchpad means easier tracking across all of your applications, while per-key RGB lighting lets you choose from millions of colors on every key for endless customization. You can also create game specific layouts via Armoury Crate, making every game feel unique.

Dedicated Hotkeys

Dedicated gaming hotkeys sit just above the left side of the keyboard for quick access to the volume and mic mute controls, operating modes, and Armoury Crate. They are also fully customizable, and can be programmed to launch apps, set as a function key, or used as a macro. The Strix G16 has all the tools you need for victory.

Overstroke Technology

Exclusive ROG Overstroke technology registers keypresses earlier in the stroke, enabling a more responsive experience for serious gaming and work. Triggering earlier means faster, effortless inputs with greater accuracy.

Large Touch Pad

Improve everyday comfort and usability with a 10% larger touchpad, and new for 2023, the G16's touchpad also comes with a glass coating for a more premium feel. More space means greater precision along with more comfortable hand movements and gestures while you're navigating. Despite still being a 15-inch chassis, the G16 also now includes a touchpad-based NumberPad, giving you even more options when using your device.

Colorize Your Life

Not every gamer is the same, so the Strix G16 comes in two colors to better reflect your sensibilities. For a more stealth look, the classic Eclipse Gray keeps the true power of your machine under wraps. For those who enjoy making a statement, Volt Green is a bold choice that stands out from the crowd.

Subtle Detailing

The Strix G16's pixel art accents have been redesigned for 2023, giving the chassis more flavor and flair, while still being easily identifiable as an ROG machine from across the room.

Bold Accents

For added visual interest, the Strix G16 also features a paint specking pattern above the rear exhaust ports. Inspired by graffiti art and the cyberpunk aesthetic, even casual passersby will notice that the Strix G16 has more attitude than other gaming machines.

Stun at Every Angle

Thoughtful details set this laptop apart from the competition. Our 360° design philosophy puts subtle but distinctive elements across every part of the machine. The dot matrix design splashed across the lid cuts down to meet cross-hatched vents beneath the base. An expansive rubberized grip holds the laptop firmly in place and makes it easier to carry. Typographic elements around the trim subtly show off your ROG pride.

Studio-quality Sound

Dual Dolby Atmos-powered speakers create an authentic sound stage for your games. Hi-Res audio ensures you hear your music in the same quality it was recorded. Two-Way AI Noise Cancellation processes both incoming and outgoing audio to filter any errant background noises, making sure that your calls, chats and streams come through without distraction.

All Day Endurance

The Strix G16 is ready to go the distance. Featuring a 90Wh battery, the laptop can easily browse the web for hours away from the wall before needing a recharge. For flexibility on the go, USB Type-C charging is supported up to 100W. When charging using the supplied 330W power adapter, the G16 can recharge from zero to 50% in just 30 minutes.

Stay Connected

In modern multiplayer games, a stable internet connection is imperative. The Strix G16 is ready to join the fight with a dedicated RJ45 port, as well as the latest Wi-Fi 6E wireless standard. On Wi-Fi 6E supported networks, enjoy access to the newest wireless band, free from clutter and interference from your home's other wireless devices, ensuring you never lag out again.

When you need to plug into the big screen, the dedicated GPU powers an HDMI 2.1 port for the latest TVs and monitors, increasing total bandwidth from 18 to 48 Gbps, and supporting up to 4K 120Hz and 8K 60Hz content. Two USB Type-C ports allow for plenty of connectivity - one for DisplayPort and power delivery, and a second with Thunderbolt™ 4 support.

Gear Up and Game

Upgrade your Strix G16 in Volt Green & Eclipse Gray with a stealthy bundle. Travel with confidence with the ROG backpack and ROG Impact mouse. The kit also comes with our low profile 100W adapter for ultimate portability and minimal weight.

Additional Information:

[Visit the Manufacturer Web Page for Full Details](#)

Specifications

| | |
|-------------------------|---|
| Make and Model | Asus ROG STRIX G16 G614 Gaming Laptop |
| Part Number | G614JJ-DS71-CA |
| Operating System | Windows® 11 Home |
| Chipset | N/A |
| Processor | Intel® Core™ i7-13650HX, 14-Core (6P+8E) Processor, 3.60GHz w/ 4.90GHz Turbo Boost, 20 Threads, 24MB SmartCache |
| Memory | 16GB DDR5-4800 SO-DIMM RAM (2x 8GB) Dual slots, 32GB max. |
| Display | 17.3in Full HD+ (1920x1200) WUXGA 16.9 IPS-level 165Hz, Anti-glare display, sRGB 100%, G-Sync |
| Graphics | NVIDIA® GeForce® RTX™ 3050 w/ 6GB GDDR6 VRAM |
| Storage | 1TB PCIe 4.0 NVMe M.2 SSD |
| Optical Drive | N/A |
| Card Reader | N/A |

| | |
|---------------------------|---|
| Audio | Dual speakers w/ Dolby Atmos Built-in array microphone |
| Web Camera | 720P HD camera |
| Ethernet | 1x RJ45 Gigabit Ethernet LAN |
| Wireless LAN | Wi-Fi 6E (802.11ax) |
| Bluetooth | Bluetooth® v5.2 |
| Keyboard | Backlit chiclet keyboard 4-Zone RGB |
| Touch Pad | Yes |
| Interface | 1 x Thunderbolt™ 4 support DisplayPort™ 1 x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 2 x USB 3.2 Gen 2 Type A 1 x HDMI 2.1 FRL 1 x RJ45 Gigabit Ethernet LAN 1 x 3.5mm combo audio jack |
| Power | 240W AC power adapter 100~240 AC, 50/60Hz universal 20V DC, 12A, 240W |
| Battery | 4-cell Lithium-Ion battery, 64Whr |
| Battery Life | N/A <small>* Actual battery life may vary depending on product configuration, usage, operational conditions and power management settings.</small> |
| Dimensions (WxDxH) | 13.94" x 10.39" x 0.89"~1.20" (354 x 264 x 22.6~30.4 mm) |
| Weight | 5.51 lbs. (2.5kg) |

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