



PRESS RELEASE

ASUS Republic of Gamers Announces Completely Redesigned Zephyrus G14 and G16

First-ever ROG OLED gaming laptops with ROG Nebula Displays arrive in a thinner and lighter chassis

KEY POINTS

- **Brand new chassis design:** CNC-machined aluminum chassis, Slash Lighting array, and brand-new Platinum White colorway define the machines
- **AI pushes performance to new heights:** Both laptops equipped with cutting-edge AI-accelerated silicon from Intel®, AMD, and NVIDIA® 40 Series GPUs
- **First ROG OLED laptops with ROG Nebula Display:** Fast, bright and vivid G-SYNC® capable OLED displays have arrived at ROG on both laptops
- **Hyper-efficient cooling:** Tri-fan technology, liquid metal, and a vapor chamber on the highest spec Zephyrus G16 help redefine thin-and-light performance



TAIPEI, Taiwan, January 9, 2024 — ASUS Republic of Gamers (ROG) today announced the 2024 Zephyrus G14 and Zephyrus G16, the latest in an illustrious lineup of supremely powerful thin-and-light

gaming laptops. These machines feature a new CNC-machined aluminum chassis, a customizable Slash Lighting array, and a brand-new Platinum White colorway, while cutting-edge AI accelerated silicon from Intel®, AMD, and NVIDIA® stand ready to push gamers and creators to new heights of performance. Both the Zephyrus G14 and G16 come equipped with the ROG Nebula Display, stunningly color-accurate OLED panels that are also G-SYNC® capable for incredible gaming experiences. Ultra-efficient cooling technology, including tri-fan technology, liquid metal, and vapor chambers on select models enable the Zephyrus G14 and G16 to breathe easily despite their ultra-portable designs.

Brand-new chassis design

The 2024 Zephyrus G14 and Zephyrus G16 have been completely redesigned inside and out. Both machines boast all-new and all-aluminum CNC-machined chassis for the perfect mix of weight reduction, structural rigidity, and increased chassis space. This allows for an edge-to-edge keyboard design, as well as the inclusion of larger and louder speakers with superior bass response down to 100 Hz. The speakers are 25% larger than the previous generation, with a 47% volume increase for more immersive audio experiences than ever before. The Zephyrus G14 and G16 also come with larger individual keycaps and a larger touchpad, for superior typing, precision scrolling, and fluid gaming. Both the 2024 Zephyrus G14 and Zephyrus G16 ship with three months of [Xbox Game Pass Ultimate](#), providing access to a library of hundreds of great games.

This premium all-aluminum chassis also features a brand-new colorway, Platinum White. Just like its namesake metal, Platinum White has a bold and lustrous matte finish that defines luxury. The 2024 Zephyrus G14 and G16 also sport a brand-new LED lighting array on the lid. This Slash Lighting array follows a diagonal across the lid of the machines, with animated sequences and the ability to fully customize a unique pattern, allowing users to ensure they never blend in with the crowd. The Zephyrus G14 is 1.59 cm thick and only 1.5 kg, while the larger Zephyrus G16 is just 1.49 cm thick and weighs in at just 1.85 kg. These ultraslim and ultraportable machines redefine the realm of possibility in thin-and-light gaming laptops.

AI pushes performance to new heights

Featuring up to an AMD Ryzen™ 8000 Series processor, with support for AMD Ryzen AI, the Zephyrus G14 stands ready for the future with support for Windows Studio effects productivity tools like automatic framing, eye-contact correction, and advanced background effects in video calls. The Zephyrus G14 also features up to an NVIDIA GeForce RTX® 4070 Laptop GPU, with access to advanced features like DLSS 3.5, Frame Generation, and Ray Reconstruction for improved visuals and gaming responsiveness in the most demanding titles.

The Zephyrus G16, by contrast, sports up to an Intel Core™ Ultra 9 processor 185H with 11 TOPS of AI computation power, plus up to an NVIDIA GeForce RTX 4090 Laptop GPU for incredible performance in all of the latest games and creative applications. With dedicated AI support for tools like Omniverse® and Stable diffusion, users can skip long queues in the cloud and generate images locally in just a few seconds. Video-editing and 3D-rendering projects are more than twice as fast with AI acceleration, all while consuming less power for longer battery life. With full access to the latest AI-accelerated technologies, this hardware can easily handle the latest creation software and games without breaking a sweat.

First ROG OLED gaming laptop with ROG Nebula Display

OLED has arrived. ROG is proud to announce that the Zephyrus G14 and Zephyrus G16 each feature the first OLED panels to grace an ROG gaming laptop. With the Zephyrus G14 boasting a 3K resolution, 120 Hz panel, and the Zephyrus G16 sporting a 2.5K 240 Hz display, both of these machines offer an incredible mix of visual fidelity and image quality in fast-paced games. As true gaming laptops, ROG is also proud to announce that thanks to a partnership with Samsung and NVIDIA, these are the leading laptop OLED panels with G-SYNC support, offering incredible motion clarity even if framerates momentarily dip.

As ROG Nebula Display OLED panels, these displays have everything gamers need. Both options feature an aspect ratio of 16:10, VESA DisplayHDR™ True Black 500, and a stunning 1,000,000:1 contrast ratio. With the true inky blacks of an OLED pixel, HDR content and games can truly shine. The displays also boast 100% coverage of the DCI-P3 color space and a Delta E accuracy of less than 1, making these gaming panels equally capable as the primary screen for content creators who demand color accuracy in their work. For gamers, the incredibly fast 0.2 ms gray-to-gray response time virtually eliminates ghosting and provides the cleanest image possible with every refresh of the screen.

Hyper-efficient cooling

Ultra-slim and powerful laptops demand incredibly efficient cooling solutions, so the Zephyrus G14 and G16 have both been equipped with the latest improvements in Intelligent Cooling to maintain their edge. High performance liquid metal thermal compound on the CPU and the introduction of 2nd Generation Arc Flow Fans™ get heat moving efficiently out of the chassis. Tri-fan technology, a system that uses a third auxiliary fan to help move airflow over surface mounted components on the motherboard as well as assist with drawing heat from the GPU, pulls further heat out of the machine. Zephyrus G16 models equipped with an NVIDIA GeForce RTX 4080 Laptop GPU or the NVIDIA GeForce RTX 4090 Laptop GPU are instead fitted with a custom vapor chamber using dual fans to accommodate their flagship hardware.

NOTES TO EDITORS

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SPECIFICATIONS¹

ROG Zephyrus G14 (2024)

Processor	AMD Ryzen™ 8000 Series processor (8 Cores 16 Threads, supporting AMD Ryzen™ AI and Windows Studio effects)
Graphics	NVIDIA® GeForce RTX® 4070 Laptop GPU Max TGP 90 W (with Dynamic Boost)
Operating System	Windows 11 Pro
Display	14" ROG Nebula Display OLED 3K (2880 x 1800), 120 Hz / 0.2 ms, 100% DCI-P3, with G-SYNC® VESA DisplayHDR™ True Black 500 Pantone® Validated, Delta E < 1 ² Dolby Vision
Memory	Up to 32 GB LPDDR5X (onboard memory)
Storage	Up to 1 TB M.2 2280 PCIe® 4.0 SSD
Keyboard	1-Zone RGB
Audio	Stereo speakers Smart Amplifier Dolby Atmos® Hi-Res Audio Two-Way AI Noise Cancelation
WiFi / Bluetooth	WiFi 6E (802.11ax) Bluetooth® v5.3
I/O Ports	1 x USB4® (supports DisplayPort™ / Power Delivery) 1 x USB4® (supports DisplayPort™) 2 x Type-A USB 3.2 Gen2 1 x HDMI® 2.1 1 x Micro SD Card Reader (UHS II) 1 x Audio jack
Battery	73 Wh
Dimensions	31.15 x 22 x 1.59~1.63 cm
Weight	1.50 kg

ROG Zephyrus G16 (2024)

Processor	Intel® Core™ Ultra 9 processor 185H 2.3 GHz (24 MB cache, up to 5.1 GHz, 16 cores, 22 threads); Intel AI Boost NPU
Graphics	NVIDIA® GeForce RTX® 4090 Laptop GPU Max TGP 115 W (with Dynamic Boost)
Operating System	Windows 11 Pro
Display	16" ROG Nebula Display OLED 2.5K (2560 x 1600), 240 Hz / 0.2 ms, 100% DCI-P3, with G-SYNC® VESA DisplayHDR™ True Black 500 Pantone® Validation, Delta E < 1 ³ Dolby Vision®
Memory	Up to 32 GB LPDDR5X-7467 MHz (onboard memory)
Storage	Up to 4 TB (2 TB + 2 TB) M.2 2280 PCIe® 4.0 SSD
Keyboard	1-Zone RGB
Audio	Stereo speakers Smart Amplifier Dolby Atmos® Hi-Res Audio Two-Way AI Noise Cancelation
WiFi / Bluetooth	WiFi 6E (802.11ax) Bluetooth® v5.3
I/O Ports	1 x Thunderbolt™ 4 1 x USB4® (supports DisplayPort™ / Power Delivery) 2 x Type A USB3.2 Gen2 1 x HDMI 2.1 1 x SD Card Reader (UHS-II) 1 x Audio jack
Battery	90 Wh
Dimensions	35.4 x 24.6 x 1.49 ~ 1.74 cm
Weight	1.85 kg

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About ROG

Republic of Gamers (ROG) is an ASUS sub-brand dedicated to creating the world's best gaming hardware and software. Formed in 2006, ROG offers a complete line of innovative products known for performance and quality, including motherboards, graphics cards, laptops, desktops, monitors, audio equipment, routers and peripherals. ROG participates in and sponsors major international gaming events. ROG gear has been used to set hundreds of overclocking records and it continues to be the preferred choice of gamers and enthusiasts around the world. Learn more about the choice of champions at <http://rog.asus.com>.

¹ Specifications, content and product availability are all subject to change without notice and may differ from country to country.

Actual performance may vary depending on applications, usage, environment and other factors. Full specifications are available at <http://www.asus.com>

² Average tested result in MyASUS / Armoury Crate Splendid Display P3 and sRGB color gamut: Delta E < 1, +/- 0.5, and may vary by specification. Please note that the actual performance also may vary under different test procedures, equipment and patterns.

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