



PRESS RELEASE

## Brilliant Visuals Meet Incredible Performance on 2024 ROG Strix Laptops

First ROG laptop featuring an 18" mini LED display keeps Strix on the vanguard of gaming visuals

### KEY POINTS

- **Brilliant detail:** The Strix SCAR 18 is the first 18" laptop from ROG with the mini LED ROG Nebula HDR Display
- **Flagship performance:** All with Intel® Core™ i9 processors 14900HX; SCAR models with up to a GeForce RTX® 4090 Laptop GPU with 175 W max TGP
- **Cooler than cool:** Tri-Fan tech, full-surround vents, and Conductonaut Extreme liquid metal on both CPU and GPU push performance to incredible heights



**TAIPEI, Taiwan, January 9, 2024** — ASUS Republic of Gamers (ROG) today announced the 2024 Strix family of laptops, including the Strix SCAR 18, the first 18-inch ROG laptop equipped with the mini LED ROG Nebula HDR Display. As the vanguard of gaming laptops, all 2024 Strix machines feature the latest flagship Intel® Core™ i9 processor 14900HX, with the Strix SCAR 16 and SCAR 18 sporting up to an NVIDIA® GeForce RTX® 4090 Laptop GPU with 175 W max TGP. Paired with a complete suite of the latest intelligent cooling improvements, including Tri-Fan technology and Conductonaut Extreme liquid

metal on both the CPU and GPU, the 2024 Strix family of laptops has arrived to dominate the competition.

### **Brilliant detail**

This year marks the introduction of the first ROG 18-inch display powered by Mini LED technology. HDR content and games have arrived on the big screen with the arrival of the 2024 Strix SCAR 18, with its Nebula HDR Display boasting over 2000 discrete dimming zones and 1100 nits of peak brightness. On an 18-inch panel, this dimming zone density coupled with the ROG Nebula HDR Engine minimizes blooming and haloing even in challenging scenes, giving the Strix SCAR 18 incredibly vivid HDR performance.

While the ROG Nebula HDR panels exclusive to the Strix SCAR line are truly spectacular, all the displays in the 2024 Strix family are visually stunning. Each model features a 2.5K panel with a 240 Hz refresh rate and under 3 ms gray-to-gray (GTG) response time, giving gamers exceptional visual experiences. For further immersion, these panels have an extra-tall 16:10 aspect ratio and 100% coverage of the DCI-P3 color space. Dolby Vision® support ensures that the color content on screen will look exactly as the creator intended, and Dolby Atmos support further increases immersion with expansive and realistic soundstages. No matter which Strix machine a gamer chooses, they will have a display that makes all of their games and content more vivid and immersive than ever before.

In addition, the chassis design of the Strix series has received a facelift for 2024, with both Strix SCAR and Strix G now sporting reimagined yet classic ROG cyberpunk design elements. Bold ROG accents across the sides and rear of the machines and exceptional build quality ensure that these laptops will never be mistaken in a crowd.

### **Flagship performance**

The performance-focused ROG Strix family now proudly features the Intel Core i9 processor 14900HX, a flagship 24-core, 32-thread CPU that is equipped to handle heavy rendering projects as well as AAA game titles. Plus, the laptops support up to 64 GB of DDR5 memory and up to 4 TB PCIe® Gen4 x4 storage. Whether gamers are streaming, multi-tasking, editing video, or all the above, all laptops in the Strix family offer more than enough horsepower to do it all.

No gaming machine is complete without a powerful GPU, and the 2024 Strix family comes ready for anything. The Strix SCAR 16 and SCAR 18 both offer up to an NVIDIA GeForce RTX 4090 Laptop GPU, and this gaming juggernaut is ready for the most intense gaming sessions right out of the box, thanks in part to its massive 175 W total graphics power with Dynamic Boost. The Strix G16 and Strix G18 come equipped with up to the NVIDIA GeForce RTX 4080 Laptop GPU. With incredible rendering performance

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in the latest games and AI tools like DLSS Super Resolution and Frame Generation available right out of the box, Strix laptops are the ultimate companions for gamers and creators alike.

### **Cooler than cool**

ROG Strix laptops stand at the cutting edge of cooling technologies to maintain peak gaming performance. For the 2024 Strix SCAR and Strix G machines, this includes Tri-Fan technology, a system that utilizes a third auxiliary fan that increases airflow to surface-mounted components on the motherboard while also helping route excess heat from the GPU towards the heatsinks. While all ROG laptops have liquid metal as the thermal interface between the CPU and their heatsinks, the entire 2024 Strix lineup features ultra-high performance Conduction Extreme liquid metal, which drastically reduces temperatures compared to traditional thermal pastes. This not only allows the Strix machines to boost higher and for longer, but it also keeps them running at their absolute best for years to come.

### **NOTES TO EDITORS**

ROG Facebook: <https://www.facebook.com/asusrog>

ROG Twitter: [https://www.twitter.com/asus\\_rog](https://www.twitter.com/asus_rog)

ASUS Pressroom: <http://press.asus.com>

ASUS Global Facebook: <https://www.facebook.com/asus>

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## **SPECIFICATIONS<sup>i</sup>**

### **ROG Strix SCAR 16 (2024)**

<b>Processor</b>	Intel® Core™ i9 processor 14900HX (24 Cores 32 Threads, with up to 65 W TDP)
<b>Graphics</b>	NVIDIA® GeForce RTX® 4090 Laptop GPU Max TGP 175 W (with Dynamic Boost)
<b>Operating System</b>	Windows 11 Pro
<b>Display</b>	16" ROG Nebula HDR Display Mini LED 2.5K (2560x1600), 240 Hz / 3 ms, 100% DCI-P3, with G-SYNC® VESA DisplayHDR™ 1000 Pantone® Validated Dolby Vision®
<b>Memory</b>	Up to 64 GB (32 GB + 32 GB) DDR5 5600 MHz <sup>ii</sup>
<b>Storage</b>	Up to 4 TB (2 TB + 2 TB) PCIe® 4.0 NVMe™ M.2 SSD (RAID 0)
<b>Keyboard</b>	Backlit chiclet keyboard Per-key RGB with Aura Sync NumberPad support
<b>Audio</b>	Stereo speakers Smart Amplifier Dolby Atmos® Hi-Res Audio Two-Way AI Noise Cancelation
<b>WiFi / Bluetooth</b>	WiFi 6E (802.11ax) Bluetooth® v5.3
<b>I/O Ports</b>	1 x Thunderbolt™ 4 1 x Type-C® USB 3.2 Gen 2 (supports DisplayPort™ / power delivery) 2 x Type-A USB 3.2 Gen 2 1 x HDMI® 2.1 FRL 1 x 2.5 Gbps LAN port 1 x 3.5 mm Combo Audio Jack
<b>Battery</b>	90 Wh
<b>Dimensions</b>	35.4 x 26.4 x 2.26–3.04 cm
<b>Weight</b>	2.60 kg

**ROG Strix SCAR 18 (2024)**

<b>Processor</b>	Intel® Core™ i9 processor 14900HX (24 Cores 32 Threads, with up to 65 W TDP)
<b>Graphics</b>	NVIDIA® GeForce RTX® 4090 Laptop GPU Max TGP 175 W (with Dynamic Boost)
<b>Operating System</b>	Windows 11 Pro
<b>Display</b>	18" ROG Nebula HDR Display Mini LED 2.5K (2560x1600), 240 Hz / 3 ms, 100% DCI-P3, with G-SYNC® VESA DisplayHDR™ 1000 Pantone® Validated Dolby Vision®
<b>Memory</b>	Up to 64 GB (32 GB + 32 GB) DDR5 5600 MHz <sup>iii</sup>
<b>Storage</b>	Up to 4 TB (2 TB + 2 TB) PCIe® 4.0 NVMe™ M.2 performance SSD (RAID 0)
<b>Keyboard</b>	Backlit chiclet keyboard Per-key RGB with Aura Sync
<b>Audio</b>	Stereo speakers Smart Amplifier Dolby Atmos® Hi-Res Audio Two-Way AI Noise Cancelation
<b>WiFi / Bluetooth</b>	WiFi 6E (802.11ax) Bluetooth® v5.3
<b>I/O Ports</b>	1 x Thunderbolt™ 4 1 x Type-C® USB 3.2 Gen 2 (supports DisplayPort™ / power delivery) 2 x Type-A USB 3.2 Gen 2 1 x HDMI® 2.1 FRL 1 x 2.5 Gbps LAN port 1 x 3.5 mm Combo Audio Jack
<b>Battery</b>	90 Wh
<b>Dimensions</b>	39.9 x 29.4 x 2.31–3.08 cm
<b>Weight</b>	3.10 kg

**ROG Strix G16 (2024)**

<b>Processor</b>	Intel® Core™ i9 processor 14900HX (24 Cores 32 Threads, with up to 65 W TDP)
<b>Graphics</b>	NVIDIA® GeForce RTX® 4080 Laptop GPU Max TGP 175 W (with Dynamic Boost)
<b>Operating System</b>	Windows 11 Pro
<b>Display</b>	16" ROG Nebula Display 2.5K (2560x1600), 240 Hz / 3 ms, 100% DCI-P3, with G-SYNC® Pantone® Validated Dolby Vision®
<b>Memory</b>	Up to 32 GB (16 GB + 16 GB) DDR5-5600 MHz <sup>iv</sup>
<b>Storage</b>	Up to 2 TB PCIe® 4.0 NVMe™ M.2 SSD
<b>Keyboard</b>	Backlit chiclet keyboard Per-key RGB with Aura Sync NumberPad support
<b>Audio</b>	Stereo speakers Smart Amplifier Dolby Atmos® Hi-Res Audio Two-Way AI Noise Cancelation
<b>WiFi / Bluetooth</b>	WiFi 6E (802.11ax) Bluetooth® v5.3
<b>I/O Ports</b>	1 x Thunderbolt™ 4 1 x Type-C® USB 3.2 Gen 2 (supports DisplayPort™ / power delivery) 2 x Type-A USB 3.2 Gen 2 1 x HDMI® 2.1 FRL 1 x 2.5 Gbps LAN port 1 x 3.5 mm Combo Audio Jack
<b>Battery</b>	90 Wh
<b>Dimensions</b>	35.4 x 26.4 x 2.26–3.04 cm
<b>Weight</b>	2.50 kg

**ROG Strix G18 (2024)**

<b>Processor</b>	Intel® Core™ i9 processor 14900HX (24 Cores 32 Threads, with up to 65W TDP)
<b>Graphics</b>	NVIDIA® GeForce RTX® 4080 Laptop GPU Max TGP 175 W (with Dynamic Boost)
<b>Operating System</b>	Windows 11 Pro
<b>Display</b>	18" ROG Nebula Display 2.5K (2560x1600), 240 Hz / 3 ms, 100% DCI-P3, with G-SYNC®  Pantone® Validated Dolby Vision®
<b>Memory</b>	Up to 32 GB (16 GB + 16 GB) DDR5-5600MHz <sup>v</sup>
<b>Storage</b>	Up to 2 TB PCIe® 4.0 NVMe™ M.2 SSD
<b>Keyboard</b>	Backlit chiclet keyboard Per-key RGB with Aura Sync
<b>Audio</b>	Stereo speakers Smart Amplifier Dolby Atmos® Hi-Res Audio Two-Way AI Noise Cancelation
<b>WiFi / Bluetooth</b>	WiFi 6E (802.11ax) Bluetooth® v5.3
<b>I/O Ports</b>	1 x Thunderbolt™ 4 1 x Type-C® USB 3.2 Gen 2 (supports DisplayPort™ / power delivery) 2 x Type-A USB 3.2 Gen 2 1 x HDMI® 2.1 FRL 1 x 2.5 Gbps LAN port 1 x 3.5 mm Combo Audio Jack
<b>Battery</b>	90 Wh
<b>Dimensions</b>	39.9 x 29.4 x 2.31–3.08 cm
<b>Weight</b>	3.00 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, system components, laptops, desktops, monitors, smartphones, audio equipment, routers, peripherals and accessories. 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. To become one of those who dare, learn more about ROG at <http://rog.asus.com>.

<sup>i</sup> 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>

<sup>ii</sup> On selected units. Certain units may only be capable of 5200 MHz.

<sup>iii</sup> On selected units. Certain units may only be capable of 5200 MHz.

<sup>iv</sup> On selected units. Certain units may only be capable of 5200 MHz.

<sup>v</sup> On selected units. Certain units may only be capable of 5200 MHz.