



Graphics card ASUS ROG Astral LC GeForce RTX 5090 OC 32 GB GDDR7, Liquid Cooled, PCIe 5.0



Modelis: 90YVOLW2-M0NA00

Gamintojas: ASUS

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4,204.99€

Graphics card ASUS ROG Astral LC GeForce RTX 5090 OC 32 GB GDDR7

The ASUS ROG Astral LC GeForce RTX 5090 OC is engineered for the ultimate frontier of gaming and creation, blending monumental power with cutting-edge hybrid liquid cooling. Inspired by the limitless cosmos, this graphics card delivers pinnacle performance, featuring the powerful NVIDIA GeForce RTX 5090 processor and massive 32 GB of ultra-fast GDDR7 memory.

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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Designed for enthusiasts demanding the highest frame rates and resolutions, the ROG Astral boasts a processor boost clock speed of 2580 MHz and 21760 CUDA cores. With support for PCI Express 5.0 and a 512-bit memory bus providing 28 Gbit/s data transfer rates, it handles extreme loads effortlessly, enabling immersive 8K gaming (7680 x 4320 pixels) powered by NVIDIA G-SYNC technology.

Pinnacle Liquid Cooling Expertise

The ROG Astral LC (Liquid Cooled) utilizes a sophisticated cooling solution crucial for maintaining peak performance during heavy overclocking and intense gaming sessions:

- **360mm AIO Cooler:** An extra-thick 360x38mm radiator paired with a trio of high-end fans ensures superior heat dissipation, delivering up to 30% better performance compared to standard air-cooled designs.
- **Full-Coverage Cold Plate:** This dedicated copper cold plate covers all heat-generating components on the PCB, efficiently transferring heat away from the GPU and memory to the radiator.
- **Phase-Change GPU Thermal Pad:** A premium thermal pad melts to effectively fill microscopic gaps, providing superior thermal conductivity for enhanced heat transfer and long-term durability under heavy load.
- **On-Board Axial-tech Cooling:** A dedicated axial-tech fan and low-profile heatsink under the shroud quietly and efficiently dissipate heat produced by power-delivery components.

Enhanced Power and Reliability

Built for stability and exceptional overclocking potential, the ROG Astral features powerful 80-amp MOSFETs, providing significant power delivery headroom. Connectivity includes 3 DisplayPorts (version 2.1b) and 2 HDMI ports (version 2.1b), supporting up to four simultaneous displays. The card requires a single 16-pin supplementary power connector and a minimum system power supply of 1000 W.

Reliability is ensured through rigorous construction: an ASUS GPU Guard and bracket reduce the risk of PCB cracks and ensure uniform mounting pressure. Furthermore, a protective conformal coating envelops the circuit board, guarding against short-circuits caused by moisture, dust, or debris, all manufactured using automated Auto-Extreme Technology.

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Design and Specifications

This 2.5-slot graphics card features an aesthetic Black/Grey design complemented by customizable multi-colour RGB backlighting/illumination, allowing you to synchronize the visual style with your gaming setup.

ASUS is a globally recognized technology leader known for innovation, quality, and high-performance components, particularly under its Republic of Gamers (ROG) brand, which caters specifically to competitive gamers and hardware enthusiasts.

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ROG Astral LC GeForce RTX™ 5090

Fluid Force

The new ROG Astral family was inspired by the limitless expanse and beauty of the cosmos, and it is a testament to an unending dedication to exploring and defining new frontiers. The ROG Astral LC GeForce RTX 5090 delivers pinnacle cooling performance via a premium 360mm AIO cooler, full-coverage copper plate and integrated fan. Meanwhile, powerful 80-amp MOSFETs deliver high overclocking potential while maintaining quiet operation.

Cooling Expertise

360mm Radiator

An extra-thick 360x38mm radiator combines forces with a trio of high-end fans to ensure excellent heat dissipation.

Full-Coverage Cold Plate

The full-coverage cold plate covers all the heat-generating components on the PCB, empowering the radiator to efficiently cool the graphics card, resulting in up to 30% better performance versus pure air cooling.

On-Board Cooling

Heat produced by power-delivery components is dispelled by an axial-tech fan and a low-profile heatsink under the shroud. This combination exhausts hot air quietly and efficiently.

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Phase-Change GPU Thermal Pad

By melting to effectively fill the gaps between the GPU and the thermal module, a premium phase-change GPU thermal pad provides superior thermal conductivity and enhanced heat dissipation, ensuring optimal performance and longevity for graphics cards under heavy loads.

Premium Power Delivery

Powerful 80-amp MOSFETs deliver over 35% more headroom than the standard design. This helps ensure enhanced performance, stability and higher overclocking potential.

ASUS GPU Guard & Bracket

To handle larger graphics processors, ASUS GPU Guard applies adhesive to secure all four corners to reduce the risk of cracks, while a GPU bracket helps ensure uniform mounting pressure and extra stability.

Protective PCB Coating

A protective conformal coating envelops the circuit board to help protect against short-circuits caused by moisture, dust or debris.

Auto-Extreme Technology

An automated manufacturing process that sets new standards in the industry by allowing all soldering to be completed in a single pass, ASUS Auto-Extreme technology reduces thermal strain on components and avoids the use of harsh cleaning chemicals, resulting in less environmental impact, lower manufacturing power consumption and a more reliable product overall.

NVIDIA G-SYNC: Yes | Maximum resolution: 7680 x 4320 pixels | Cooling type: Active | Discrete graphics card memory: 32 GB | Product colour: Black | Dual Link DVI: No | Product colour: Grey | DisplayPort version: 2.1b | Supplementary power connectors: 1x 16-pin | TV tuner integrated: No | Processor boost clock speed: 2580 MHz | Number of slots: 2.5 | CUDA: Yes | Parallel processing technology support: Not supported | OpenGL version: 4.6 | CUDA cores: 21760 | Minimum system power supply: 1000 W | HDCP: Yes | DisplayPorts quantity: 3 | Graphics processor family: NVIDIA | Graphics card memory type: GDDR7 | Memory bus: 512 bit | Package type: Box | Graphics processor: GeForce RTX 5090 | RGB backlighting: Yes | Package width: 460 mm | Number of fans: 4 fan(s) | Illumination: Yes | Radiator depth: 6.5 cm | Interface type: PCI Express 5.0 | Maximum displays per

videocard: 4 | HDMI version: 2.1b | Package depth: 242 mm | HDCP version: 2.3 | HDMI ports

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quantity: 2 | Radiator width: 40 cm | Data transfer rate: 28 Gbit/s | Illumination colour: Multi | Depth: 48 mm | Manual: Yes | Height: 153.7 mm | Cooling technology: ASUS Axial-tech | Package height: 236 mm | Radiator height: 12 cm | Length: 288.5 mm

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