

ASUS ROG Astral - -RTX5090-32G-GAMING NVIDIA GeForce RTX 5090 32 GB GDDR7

Model: 90YV0LW1-M0NA0

Manufacturer: ASUS

EAN: 4711387890301

Product Code: 1214538

R199,282

The Final Frontier

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. In that spirit, the ROG Astral GeForce RTX 5090 introduces ROG's first quad-fan graphics card, coupled with a patented vapor chamber, increased heatsink fin density, a phase-change GPU thermal pad, towering default clock speeds, boosted power delivery, and more. These premium innovations – amplified by an eye-catching die-cast frame and metal GPU bracket – combine to deliver absolute performance that can handle even the most demanding gaming scenarios.

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Engineered for Excellence

Driven by a passion for innovation and the pursuit of precision, we crafted the ROG Astral. Inspired by the universe’s wonders, it blends art and technology, achieving stellar cooling and unmated performance.

Cooling Expertise

Quad-Fan Force

A revolutionary four-fan design creates a powerful vertical airflow channel that boosts air pressure by up to 20%. This results in premium thermal performance that dramatically lowers GPU temperatures and minimizes hotspots, enabling unprecedented clock speeds.

Optimized Fin Spacing

The addition of a fourth fan permits more densely packed heatsink fins, increasing cooling potential.

Patented Vapor Chamber

A patented vapor chamber designed with milled pathways allows heatpipes to sink in without flattening, boosting heat dissipation efficiency. This innovative combo maximizes contact surface and improves thermal performance by over 10%.

MaxContact Design

MaxContact is an ASUS-exclusive manufacturing technique that effectively increases the surface area of the GPU heat spreader by 5% for improved thermal efficiency.

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.

Unmatched Reliability

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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.

Ultra Rigid Metal Case

A high-quality diecast frame, shroud, and backplate tightly brace the PCB for rigidity, and a 304 stainless steel I/O bracket plus bundled graphics card holder ensures stable mounting.

Game Friendly

GPU Tweak III: Effortless GPU Monitoring and Tuning

FanConnect II

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Two PWM FanConnect headers provide additional DIY flexibility. Chassis fans can be directly synced with the card and tuned with a curve that is based on CPU and GPU temperatures, delivering extra intake or exhaust for demanding 3D tasks.

Dual BIOS

Do you prioritize low core temps or low noise levels? Performance mode lets the fans spin up to keep the card running cool all the time and Quiet mode keeps the same power target and top-end settings while offering a less aggressive fan curve for quieter operation at medium temperatures.

Perfect PSU for the GeForce RTX 50 Series

Patented “GPU-First” Intelligent Voltage Stabilizer

Pair with the ROG Thor III and ROG Strix Platinum Series PSU and enjoy reliable power for your graphics card. GPU-First enhances voltage stability by up to 45%, even during demanding gaming sessions and overclocking scenarios, helping to ensure peak performance for a more consistent gaming experience. Additionally, the integration of a GaN MOSFET boosts power efficiency by up to 30%.

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