

# Graphics Card ASUS Turbo AI PRO R9700 32 GB GDDR6 AMD Radeon for Professional Workstations



Modelis: 90YV0MN0-M0NA00

Gamintojas: ASUS

EAN: 4711636210089

Prekės kodas: 463004

## 1,709.98€

## ASUS Turbo Radeon AI PRO R9700 - Turbocharged for AI and Professional Workloads

The ASUS Turbo Radeon AI Pro R9700 32 GB GDDR6 graphics card is purpose-built for tackling intensive AI computations, machine learning, and demanding professional visual tasks, especially within compact workstation chassis. Its efficient 2-slot design features a reliable blower-style cooler, ensuring high performance while maintaining efficient heat dissipation even in restricted spaces.

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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## Advanced Cooling and Reliability

Engineered for continuous heavy loads, the ASUS Turbo R9700 incorporates several features to ensure longevity and optimal thermal management. The robust cooling architecture includes a die-cast shroud and reinforced backplate, which not only strengthens the card's structure but also maximizes heat dissipation, reducing memory temperatures significantly. The high-performance single fan utilizes superior dual ball bearings, designed to last up to twice as long as traditional sleeve-bearing designs.

- **Phase-Change Thermal Pad:** A premium phase-change GPU thermal pad melts under load to perfectly fill the microscopic gaps between the GPU and the thermal module, enhancing thermal conductivity and ensuring stability during prolonged rendering or AI training sessions.
- **Efficient 2-Slot Form Factor:** Optimized shroud and heatsink layout allows the powerful blower fan to effectively utilize chassis side-panel ventilation, making it ideal for multi-GPU setups or compact SFF systems.
- **Enhanced Durability:** Features an ASUS GPU Guard to reduce the risk of cracking, alongside a corrosion-resistant 304 Stainless Steel mounting bracket.

## Performance Specifications

The Radeon AI PRO R9700 offers massive computational power and extensive connectivity required for modern professional workflows.

- Graphics Processor: AMD Radeon AI PRO R9700
- Discrete Memory: 32 GB GDDR6 (256-bit bus)
- Interface Type: PCI Express 5.0
- Boost Clock Speed (OC Mode): Up to 2940 MHz
- AI Processing Power: Peak INT4 performance up to 1531 TOPs (Peak INT8 Performance 766 TOPs)
- Compute Units / Ray Accelerators: 64 / 64
- AI Accelerators: 128
- Maximum Digital Resolution: 7680 x 4320 (8K)
- Connectivity: 3x DisplayPort 2.1a, 1x HDMI 2.1b (Supports up to 4 displays)
- Minimum Recommended PSU: 750 W
- Power Connectors: 1x 16-pin

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## **ASUS Turbo Radeon™ AI Pro R9700**

### **TURBOCHARGED FOR AI**

The ASUS Turbo Radeon™ AI Pro R9700 32GB is built for compact workstations tackling AI and professional workloads. Its blower-style cooler, die-cast shroud, and reinforced backplate ensure efficient heat dissipation and long-term reliability—even in the tightest spaces.

### **Cooling**

#### **Diecast Shroud and Backplate**

Engineered to boost heat dissipation and strengthen the card's structure. Its special wave design maximizes the thermal surface, reducing memory temps by up to 16%.

#### **Dual Ball Fan Bearings**

Fan bearings come in different types, each with its own advantages. Dual ball bearings provide superior durability and can last up to twice as long as sleeve-bearing designs.

#### **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.

### **Seamless Integration**

#### **2-Slot Design**

A carefully designed shroud and heatsink layout enables the powerful turbo fan to leverage chassis side-panel ventilation, delivering thermal performance that goes beyond its compact size.

### **Streamlined Cable Management**

The power supply connectors are located on the far side of the card, helping tidy up cable

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management for a variety of chassis.

## Engineering

### ASUS GPU Guard

ASUS GPU Guard applies adhesive to secure all four corners to reduce the risk of cracks.

### Stainless Steel Bracket

The mounting bracket of the Turbo has been beefed up with 304 Stainless Steel that's harder and more resistant to corrosion.

Parallel processing technology support: Not supported | Package type: Box | OpenGL version: 4.6 | TV tuner integrated: No | Graphics processor family: AMD | Dual Link DVI: No | HDCP: Yes | Graphics card memory type: GDDR6 | DisplayPorts quantity: 3 | Processor boost clock speed: 2920 MHz | Maximum displays per videocard: 4 | Weight: 1.04 kg | Package weight: 1.5 kg | Data transfer rate: 20 Gbit/s | HDMI ports quantity: 1 | Supplementary power connectors: 1x 16-pin | Number of slots: 2 | Interface type: PCI Express 5.0 | Maximum resolution: 7680 x 4320 pixels | Cooling type: Active | Product colour: Grey | Package depth: 220.5 mm | HDMI version: 2.1b | Package height: 68 mm | Graphics processor: Radeon AI PRO R9700 | Manual: Yes | Number of fans: 1 fan(s) | Height: 111.1 mm | Processor boost clock speed (OC mode): 2940 MHz | Stream processors: 4096 | Package width: 368 mm | Depth: 40 mm | Memory bus: 256 bit | Discrete graphics card memory: 32 GB | Minimum system power supply: 750 W | DisplayPort version: 2.1a | HDCP version: 2.3 | Length: 266.7 mm | Compute units: 64 | Processor boost clock speed (Gaming mode): 2350 MHz | Ray accelerators: 64 | Peak Half Precision (FP16) performance: 95.7 TFLOPS | Peak INT4 performance: 1531 TOPs | Peak INT8 Performance: 766 TOPs | AI accelerators: 128 | Peak Single Precision Matrix (FP32) performance: 47.8 TFLOPS | Render Output Units (ROPs): 128

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