

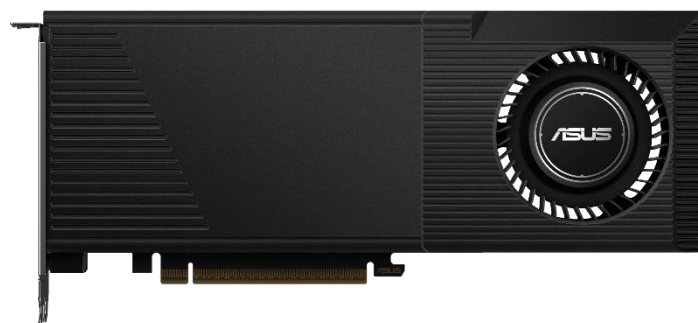
Blow them away

ASUS Innovations

AMD Features

ASUS Turbo Radeon™ AI Pro R9700 is built for AI-driven workflows and extreme reliability, featuring RDNA™ 4 architecture, 32GB VRAM, and robust thermal design.

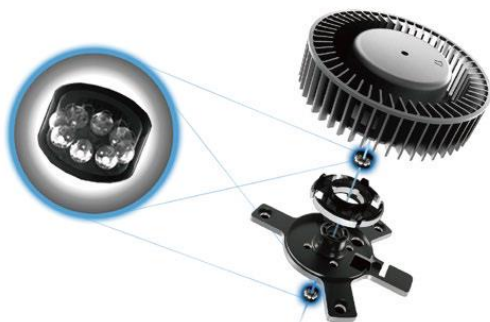
- **Default mode:** up to 2920 MHz (Boost Clock)/up to 2350 MHz (Game Clock)
- **Ray Accelerators:** 64
- **AI Accelerators:** 128
- **Peak Half Precision (FP16 Vector) Performance:** 95.7 TFLOPs
- **Peak Single Precision (FP32 Vector) Performance:** 47.8 TFLOPs
- **Peak 4-bit Precision (INT4 Matrix) Performance:** 1531 TOPs
- **Peak 8-bit Precision (INT8 Matrix) Performance:** 766 TOPs
- **ROPs:** 128



AMD
RADEON AI
PRO R9700

DUAL BALL FAN BEARINGS

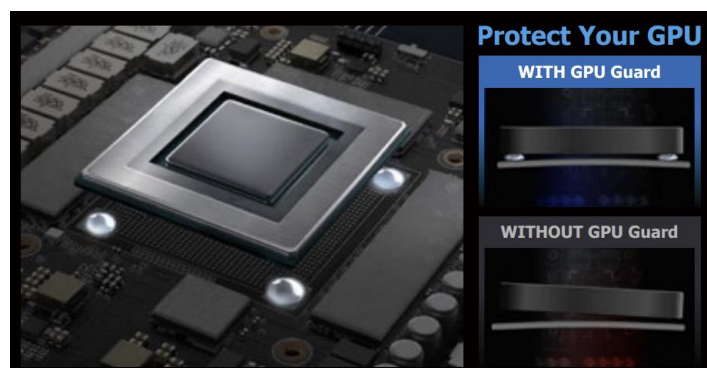
Dual ball bearings can last up to twice as long as sleeve-bearing designs.



*Image for reference only.

GPU GUARD

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



*Image for reference only.

STREAMLINED CABLE MANAGEMENT

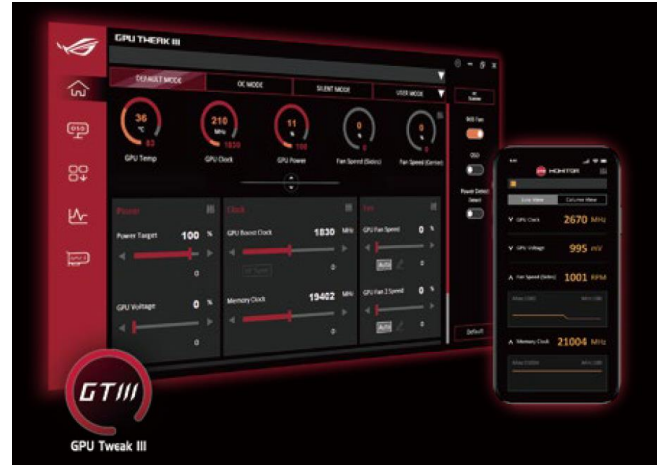
The power supply connectors are located on the far side of the card, helping tidy up cable management for a variety of chassis.



*Image for reference only.

SOFTWARE

Revamped UI with easier overclocking, enhanced 0dB fan tech, auto profile switching, expanded system monitoring, and customizable interface.

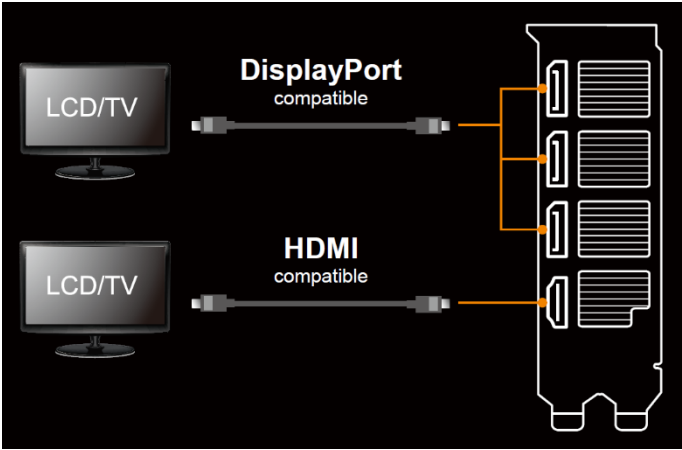


ASUS Features

32GB GDDR6
Memory

32GB GDDR6 Memory
On-board memory for the best AI inference experience.

I/O Specifications



AMD Features

AMD RDNA™ 4 Architecture

New AMD RDNA™ 4 architecture features 3rd Gen raytracing and 2nd Gen AI accelerators to deliver the performance you need to max out your gaming.

AMD HYPR-RX

With a single click, automatically enable all the performance boosting, latency reducing features from AMD Software in thousands of games.

AI-Powered Upscaling

Boost your framerates with cutting-edge AI-powered upscaling and advanced frame generation technologies while delivering amazing high-quality visuals in supported games.

High-Performance Raytracing

Enjoy lifelike lighting, shadows, and reflections in supported games with high-performing 3rd Gen Raytracing Accelerators.

AMD Radeon™ Anti-Lag 2

Ultra-low-latency gaming, and when combined with AMD FSR advanced frame generation, it delivers ultra-smooth, ultra-responsive high FPS experiences.

AMD Radiance Display™ Engine

New AMD Radiance Display™ Engine improves video recording and streaming with smooth, high-image quality processing and support for new media tech and features.

AMD FreeSync™ Technology

Pair with AMD certified AMD FreeSync™ technology-enabled monitors for an exceptional stutter and tear-free gaming experience.

Future-Ready Tech and Features

Unlock the full AMD Socket AM5 experience with AMD Ryzen™ processors and AMD smart technologies. Get equipped with the latest in modern display technology with DisplayPort™ 2.1a for an ultra immersive experience. Keep up to date with AMD Software for the latest features and optimizations.

Specifications	
Model name	TURBO-AI-PRO-R9700-32G
Graphics Engine	AMD Radeon™ AI PRO R9700
Stream Processors	4096
OpenGL®	OpenGL® 4.6
Engine Clock	OC mode (GPU Tweak III): up to 2940 MHz (Boost Clock)/up to 2370 MHz (Game Clock) Default mode: up to 2920 MHz (Boost Clock)/up to 2350 MHz (Game Clock)
Memory Interface	256-bit
Video Memory	32GB GDDR6
Memory Speed	20 Gbps
Computing Units	64
AI Accelerators	128
Ray Accelerators	64
Peak Single Precision Matrix (FP32) Performance	47.8 TFLOPS
Peak Half Precision Matrix (FP16) Performance	95.7 TFLOPS
Peak INT4 Performance	1531 TOPS
Peak INT8 Performance	766 TOPS
ROPs	128
Power Connector	1 x 16-pin
I/O	1 x Native HDMI 2.1b 3 x Native DisplayPort 2.1a
HDCP Compliant	HDCP 2.3
Digital Max. Resolution	7680 x 4320
Maximum Display Support	4
Crossfire Support	No
Recommended PSU	750W
Bus Standard	PCIe 5.0
Package Contents	1 x Speedsetup Manual
Software Bundled	ASUS GPU Tweak III & Driver, please download all software from the support site.
Slot	2 slot
Dimension	
Card Size (mm/inch)	266.7 x 111.1 x 40 mm 10.5 x 4.4 x 1.6 inch
Color Box (mm)	368 x 220.5 x 68 mm
Weight	
Single Card (KG)	1.04 KG
Product Weight (with packing) (KG)	1.5 KG

Note

* Our wattage recommendation is based on a fully overclocked GPU and CPU system configuration. For a more tailored suggestion, please use the “Choose By Wattage” feature on our PSU product page:
<https://rog.asus.com/event/PSU/ASUS-Power-Supply-Units/index.html>

* All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets. If you do not use the latest and current specifications of ASUS products, you shall be liable for all loss and damage claimed by third party to ASUS based on false advertising or any other issues caused from using false specifications of ASUS products.

* ‘Game Clock’ is the expected GPU clock when running typical gaming applications, set to typical TGP (Total Graphics Power). Actual individual game clock results may vary.

* ‘Boost Clock’ is the maximum frequency achievable on the GPU running a bursty workload. Boost clock achievability, frequency, and sustainability will vary based on several factors, including but not limited to: thermal conditions and variation in applications and workloads.

