

Rx420-AM4-8GP

Provides performance and versatility to address your most demanding applications,
AMD AI Server

Rx420-AM4-8GP

Powerful computing performance and highly flexible expansion capabilities Supports up to 2 AMD EPYC Turin 9005 series processors, compatible with Genoa 9004 series, with a maximum TDP of 500W. Offers 24 DDR5 memory slots with frequencies up to 4800/6400MHz, achieving a 75% boost in memory bandwidth. Equipped with 2 onboard PCIe 3.0 M.2 NVMe SSDs (2280). Enables CPU-GPU direct connection and supports 600W dual-width GPU cards. Provides SATA/SAS/NVMe tri-mode drive configurations for high-speed data transfer and storage needs.



New Architecture, Extreme Performance

4U Rack Server Supports 1 or 2 AMD EPYC Turin processors, compatible with 1 or 2 AMD EPYC Genoa processors; accommodates up to 24 DDR5 6000/4800MT/s ECC memory modules, delivering a 75% increase in memory bandwidth. GPU-CPU direct connection or switch expansion configurations provide unparalleled multi-GPU computing power. IPV6 Compliant ready.

Flexible Topology, Critical Applications

CPU-GPU passthrough design supports up to 8 dual-width GPUS for high-speed, stable performance.

Rich Ecosystem, Robust Reliability.

Compatible with leading international and domestic AI accelerator cards; features redundant system components and modularised functional parts to enhance reliability and maintainability. Intelligent remote management and fault diagnostics ensure 24/7 efficient and stable operation

Product Specifications

System Model	Rx420-AM4-8GP
Processor	Supports 1 or 2 AMD EPYC Turin processors, compatible with AMD EPYC Genoa Processors
GPU Card	Supports up to 8 dual-width GPU cards
Memory	24 DDR5 memory slots, compatible with DDR5 4800/6400MHz memory
Storage Controller	2 PCIe3.0 M.2(2280/22110)
Storage	Supports 12 hot-swappable 3.5"/2.5" SAS/SATA/NVMe drives
I/O Ports	Front: 2 USB 3.0, 1 Power Button, 1 Reset Button, 1 Hard Drive Indicator, 1 System Fault Indicator, 2 Network Indicators Rear: 1 VGA, 2 USB 3.0, 1 Management Port, 2 RJ45 Ports, 1 Serial Port
PCIe Expansion	20 PCIe 5.0 MCIO (x8) Supports expansion of 8x PCIe 5.0 x16 dual-width, full-height, full-length slots and 5x PCIe 5.0 x16 single-width, full-height, full-length slots
Power Supply	Supports 1600w/2000w/2200w/2600w CRPS N+1 redundant power supply (configured based on actual power)
Fan	12*6056 hot-swappable N+1 redundant fans
Management	1 RJ45 management port, IPMI 2.0
Security	Supports TPM 2.0 module, chassis intrusion alarm, BMC/BIOS redundancy
Operating System	Microsoft Windows Server, RedHat Enterprise Linux, SUSE Linux Enterprise Server, Centos, Ubuntu, VMware ESXi
Server Size	850 x 444 x 176.5 mm (D * W * H)
Working Temperature	Operating temperature: 5°C - 35°C (without direct sunlight); Storage temperature: -40°C - 70°C



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