

Gooxi AMD Turin 8U 8-GPU AI Server

Product Specifications

I Product Type

8U rackmount server

II Introduction

Gooxi G6860A5 is an AI computing server developed on the AMD EPYC Turin platform, delivering powerful computing performance and exceptional scalability. Supporting direct CPU-to-GPU connectivity, it features high-performance parallel computing, flexible expansion capability, high reliability, high energy efficiency, intelligent maintenance, modular design, and an open ecosystem. The system is designed to meet the demands of large model training, AI inference, graphics processing, generative AI, and other advanced computing workloads.

It is ideal for applications such as large models, cloud gaming, artificial intelligence, cloud computing, virtualization, big data analytics, and digital twins.

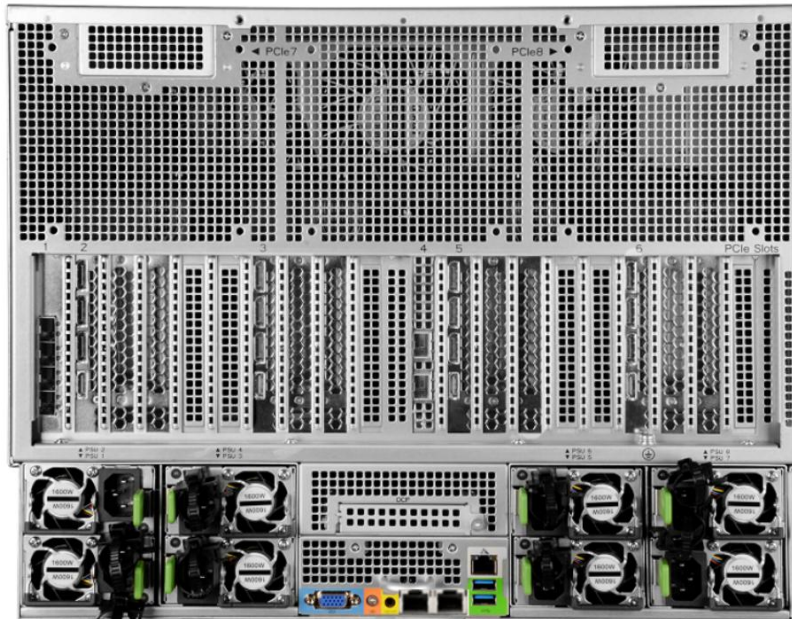
III Product Features

- ◆ Supports 2 AMD EPYC Turin 9005 series processors, compatible with Genoa 9004 series processors, with a maximum TDP of 500W
- ◆ Supports 24 DDR5-4800/5600/6400MHz DIMM slots
- ◆ Supports CPU-GPU direct connection 8-GPU architecture, Balance expansion architecture, and Common expansion architecture
- ◆ Supports 12 physical PCIe x16 standard connectors for GPU, network card, RAID card, and other expansion cards
- ◆ Rear I/O panel features 2 × 1Gb RJ45 ports with optional OCP 3.0 network card support
- ◆ The BMC chip adopts the AST2600 control chip from ASPEED for IPMI remote management
- ◆ Motherboard supports direct connection of 2 SAS/SATA drives for RAID 0/1 configuration (optional)
- ◆ Supports NVIDIA BlueField-3 DPU functionality

IV Pictures



[Front View](#)



[Rear View](#)

(Product pictures are for reference only, please refer to the actual product)

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V Specifications

Product Series	8U Rackmount Server	
Product Model	G6860A5	
Architecture	Direct Connection Mode	Expansion Mode
Product Form	8-GPU AI server (supports fan-style and blower-style GPUs)	8-GPU AI server (supports blower-style GPUs and DPUs)
GPU	Supports 8 × 600W 2-width / 2.5-width RTX 5090 blower GPUs or other 600W blower GPUs; 3-width / 3.3-width / 3.5-width / 4.5-width RTX 5090 fan GPUs or other 600W fan GPUs. Supports front-rear 4+4 separated upper/lower airflow layout and rear parallel centralized airflow cooling layout. Maximum GPU width support: 89mm	Supports 8 × 600W dual-width RTX 5090 blower GPUs or other 600W blower GPUs. GPUs adopt an 8-GPU rear parallel centralized airflow cooling layout, with maximum GPU width support of 50mm
Processor	Supports 2 AMD EPYC Turin 9005 series processors, compatible with Genoa 9004 series processors, Max TDP 500W	
Memory	24 DDR5 slots, supporting DDR5 RDIMM 4800/6400MHz; single-module capacities of 16GB, 32GB, 64GB, and 128GB	
Internal Storage	2 × M.2 (1 × PCIe 3.0 x4, 1 × PCIe 3.0 x2)	
Front Drives	12 Hot-Swap 3.5"/2.5" SAS/SATA/NVMe drives	
External Ports	Front Ports: 2 × USB 3.0, 1 × VGA port	
	Rear Ports: 1 × Serial port, 2 × USB 3.0 ports, 1 × VGA, 1 × RJ45 management port, 2 × 1Gb RJ45 LAN ports	
PCIe Expansion	Supports 12 PCIe 5.0 expansion slots (including 1 OCP): 8 × PCIe 5.0 4.5-width slots, 4 × PCIe 5.0 x8 single-width slots	Supports up to 14 PCIe 5.0 x16 expansion slots (including 1 OCP)
Power Supply	Supports 8 CRPS 1600W / 2200W / 2700W / 3200W power supply modules with Hot-Swap and N+N / N+M redundancy modes	
Fan	Standard configuration includes 6 × 6056 and 6 × 12038 Hot-Swap N+1 redundant fans	
Security	Supports TPM 2.0 module, chassis intrusion alarm, and BMC redundancy	
Certification	CE, FCC, CQC	
RoHS	Compliant with RoHS 2.0	
Operating Temperature / Humidity	Temperature: 5°C ~ 35°C / Humidity: 30% ~ 80%	
Storage Temperature /	Temperature: -40°C ~ +70°C / Humidity: 20% ~ 90% (with packaging)	

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Humidity	
Dimensions	364.6mm (H) × 446mm (W) × 910mm (D)

(The final interpretation right belongs to Gooxi)