

Gooxi AMD Turin 4U 8-GPU AI Server

Product Specifications

I Product Type

4U rackmount server

II Introduction

Gooxi G6460A5 is an AI computing server developed on the AMD EPYC Turin platform, delivering powerful computing performance and exceptional scalability. Supporting both CPU-GPU direct connection and CPU-GPU switch topologies, it is designed to meet the requirements of diverse AI workloads and application scenarios.

It is ideal for applications such as artificial intelligence, cloud gaming, 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
- ◆ Direct Connection Configuration: Supports CPU-GPU direct connection with up to 8 GPUs; front drive bays support up to 12 × 3.5" or 2.5" SAS/SATA/NVMe drives
- ◆ Switch Expansion Configuration (Balance and Common Expansion Architectures): Supports up to 10 GPUs through switch expansion; front drive bays support up to 24 × 2.5" SAS/SATA/NVMe drives
- ◆ Supports up to 12 physical PCIe x16 standard connectors for GPU, network card, RAID card, and other expansion cards
- ◆ 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



[12-Bay Front View](#)



[24-Bay Front View](#)

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Rear View

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

V Specifications

Product Series	4U Rackmount Server		
Product Model	G6460A5		
Architecture	Direct Connection Mode	Expansion Mode (DPU Supported)	Expansion Mode
Product Form	8-GPU AI server		10-GPU AI server
GPU	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 x2, 1 × PCIe 3.0 x4)		

Front Drives	12 Hot-Swap 3.5"/2.5" SAS/SATA/NVMe drives	24 Hot-Swap 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	Direct Connection Configuration: Supports up to 12 PCIe expansion slots; Expansion Configuration: Supports up to 14 PCIe expansion slots;	
Power Supply	3+1 or 2+2 redundant power supplies (2000W / 2200W / 2700W)	
Fan	Standard configuration includes 12 × 6056 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	Turin platform: 5°C ~ 30°C; Genoa platform: 5°C ~ 35°C; Humidity: 30% ~ 80%	
Storage Temperature / Humidity	Temperature: -40°C ~ +70°C / Humidity: 20% ~ 90% (with packaging)	
Dimensions	850mm × 444mm × 176.4mm (D * W * H)	

(The final interpretation right belongs to Gooxi)