Gooxi AMD OAM 8-GPU AI Server G6A80A5
Product Specifications

I Product Type

10U rackmount server

II Introduction

Gooxi G6A80A5 AI computing server is built on the AMD EPYC Turin platform, delivering outstanding computing performance and flexible scalability. Supporting next-generation 8-GPU modules with compatibility for SXM5 and OAM 2.0 interfaces, the server adopts a modular architecture design to improve overall thermal efficiency and simplify maintenance, enabling full GPU performance utilization.

The CPU node supports 2 AMD EPYC Turin processors, combined with multi-channel DDR5 memory technology to achieve up to 50% higher memory bandwidth. Equipped with 12 PCIe 5.0 slots and 16 drive bays, the system can flexibly adapt to various computing architectures while enhancing overall computing performance. It is ideal for high-performance computing scenarios such as large-scale AI training, HPC, and large data centers.

III Product Features

- Exceptional computing power, supports 2 AMD EPYC Turin 9005 CPU, TDP 500W
- Strong AI computing capability, supports 8 SXM / OAM GPU modules
- High expandability, supports up to 12 PCIe 5.0 slots
- Supports 16 × 2.5-inch U.2 and 2 SATA M.2 drives, meeting high-speed data transfer and caching requirements
- High energy efficiency, 54V and 12V separated power supply design to reduce power conversion loss
- Fully modular design for convenient installation and maintenance, with intelligent air-cooling thermal management

IV Pictures

Front View

Rear View

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

V Specifications

Function	Technical Specifications
GPU	Supports 8-GPU module (compatible with SXM5 and OAM2.0)
Processor	AMD platform motherboard, supports 2 AMD EPYC 9005 series processors (Turin), TDP up to 500W
Memory DIMM	Each CPU supports 12 DDR5 channels, with a total of 24 DDR5 DIMM slots; supports DDR5 RDIMM and 3DS RDIMM ECC memory, with memory frequency up to 6400MHz; RDIMM capacities of 16GB, 24GB, 32GB, 48GB, 64GB, 96GB, 128GB
Management Chip	BMC board integrates AST2600 advanced baseboard management controller, providing IPMI remote management; supports both dedicated IPMI management port and NCSI management interface
PCIe Switch	4 onboard PCIe Switch PEX89144, supporting up to 144 lanes of PCIe 5.0
PCIe Expansion	■ Supports up to 12 PCIe 5.0 slots (4 front + 8 rear) ■ Supports OAM 8-GPU modules at 1400W; system design compatible with Metax C500 SXM 8-GPU and NVIDIA SXM H200 8-GPU
Storage Controller	■ Supports up to 16 NVMe drives ■ 2 PCIe M.2 SSDs (22110), supporting 3 configurations: 1) Motherboard Slimline direct connection: 2 M.2 with PCIe 3.0 x2, no hardware RAID support 2) RAID card adapter connection: 2 M.2 with PCIe x4, RAID support 3) Motherboard expansion chip direct connection: 2 M.2 with SATA x1, RAID support
Internal Interfaces	BMC board provides 1 SPI TPM interface and 1 Micro SD card slot
Front Panel Interfaces	1 VGA port, 2 USB 3.1 ports
Rear Panel Interfaces	➢ 1 Type-C serial port ➢ 1 Gigabit RJ45 management port

	➢ 2 10GbE RJ45 data ports
Temperature Monitoring	Supports temperature monitoring at motherboard air inlet and outlet
Fan	Supports up to 15 × 8080 Fan for GPU + 5 × 8080 Fan for CPU
Power Supply	Supports up to 12 power modules, including 10 × 54V and 2 × 12V Hot-Swap power modules, with real-time power monitoring

(The final interpretation right belongs to Gooxi)