

Product Specifications

I Product Type

AMD 4U AI server

II Introduction

Gooxi SYR4108G-G3 4U 8-GPU AI Server, developed on the AMD EPYC Milan platform, offers powerful computing capabilities and exceptional scalability for AI computing tasks. It supports direct CPU-GPU connections for up to 8 dual-width GPU cards, making it suitable for various AI-driven workloads such as artificial intelligence, cloud computing, virtualization, big data analysis, and digital twin applications. This server features large storage capacity, strong expansion capabilities, high reliability, ease of management, and simplified deployment.

III Product Features

- ◆ Supports 2 AMD EPYC Milan series processors, compatible with AMD EPYC Rome series processors, with a maximum TDP of 280W
- ◆ Supports 32 DDR4 memory slots, with frequency support up to 3200MHz
- ◆ CPU-GPU direct connection configuration, maximum support for 13 PCIe 4.0 slots, configurable with 8 dual-width, full-height, full-length GPUs
- ◆ Supports 12*3.5"/2.5" SATA/SAS/U.2 hard drives, meeting high-speed transmission and data storage needs

IV Pictures



Note: Product images are for reference only. Please refer to the actual product.

V Specifications

Model	SYR4108G-D12R-G3
Form Factor	CPU-GPU Direct Connection 8-GPU, 12-Bay AI Server
Dimensions	850mm*444.4mm*176.4mm
Processor	Supports 2 AMD EPYC 7003/7002 Series Processors
Memory	Supports 32 DDR4 slots, up to 3200MHz
External Hard Drive	Supports 12 hot-swappable 3.5"/2.5" SAS/SATA/NVMe drives
External Ports	Front: 2 USB 3.0 Rear: 1 VGA, 2 USB 3.1, 1 Management Network Port, 1 Serial Port
PCIe Expansion	Onboard 19 PCIe4.0 MCIOs (X8), 2 Simline 4i; Supports up to 8 PCIe 4.0 dual-width, full-height, full-length slots and 5 PCIe 4.0 single-width, full-height, full-length slots, with an optional OCP 3.0 slot
Security	Supports TPM
Power Supply	2000W/2200W/2600W CRPS 3+1 Redundant Power (adapted to actual power needs)
Fan	12x 6056 hot-swappable N+1 redundant fans (23000±10% RPM)
BMC Chip	ASPEED AST2500
IPMI	IPMI2.0
Management Port	1 dedicated RJ45 management port
Operating Temperature	5°C~35°C
Operating Humidity	20%~80%RH
Storage Conditions	Short-term storage (≤72H): Temperature -40°C ~ 70°C / Humidity 20% ~ 90% RH, non-condensing (with packaging) Long-term storage (>72H): Temperature 20°C~28°C / Humidity 30%~70% RH, non-condensing (with packaging)

VI Order Information

Type	PN	Model	Description
Barebone	0.22.004.0022	SYR4108G-D12R-G3	Gooxi AMD Milan platform 4U dual-socket 12-bay GPU rack server, chassis dimensions: 850mm*444mm*176.4mm; equipped with Gooxi G3DCTR-B motherboard, supporting 2 AMD Milan series processors (compatible with Rome 7002 series processors); supports up to 32 DDR4 memory slots, maximum frequency of 3200MHz; supports 12*3.5"/2.5" SATA/SAS/U.2 drives; maximum support for 13 expansion slots; front: 2 USB 3.0 ports, rear: 1 IPMI management network port, 2 USB 3.1 ports, 1 COM port, 1 VGA port; system configured with 2000W 3+1 CRPS redundant power supply.
Complete System	0.92.004.0152	SYR4108G-G3	Barebone: SYR4108G-D12R-G3 CPU: 2*AMD EPYC 7513/32C/64T/200W Memory: 4*32GB DDR43200 ECC RDIMM Hard Drive: 1*480G SATASSD HBA: 1*G3008 GPU: 8*4090 NVIDIA 24GB 450W Power: 4*2000W 3+1 CRPS Slide Rail: 1*C7007-108-3