Gooxi

Gooxi Eagle Stream 4U 8-GPU Server Specifications
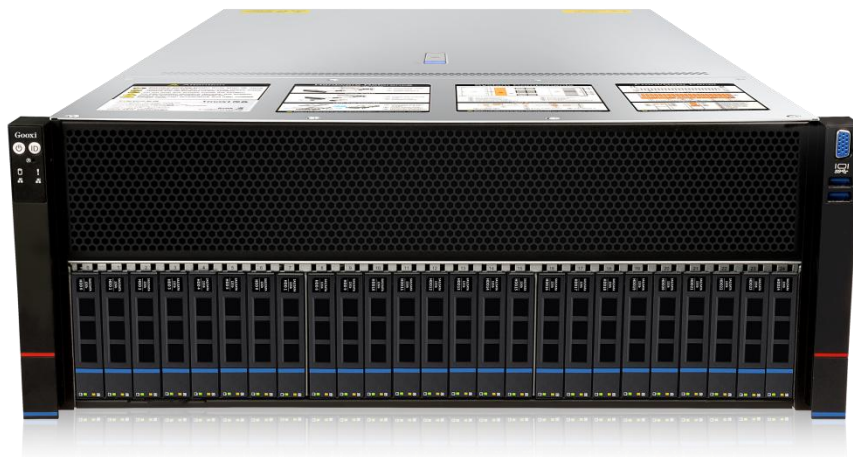
I Product Type

4U rackmount server

II Introduction

SY4108G-G4 is an artificial intelligence computing server based on Intel's latest Eagle Stream platform, offering powerful computing capabilities and highly flexible expansion options. It supports direct CPU-GPU connections and CPU-GPU switch topologies, meeting the application needs of various AI scenarios. It is suitable for applications in artificial intelligence, cloud computing, virtualization, big data analysis, and digital twins.

III Product Features

◆   Supports 1 or 2 Intel® Xeon® Scalable Processors (4th/5th generation) with a maximum TDP of 350W

◆   Up to 32 DDR5 memory slots, supporting memory frequencies of 4400/4800/5600MHz, with a 75% increase in memory bandwidth

◆   Onboard 2 M.2 SATA/NVMe interfaces

◆   Supports direct CPU-GPU connection and CPU-GPU switch expansion mode, supports 600W dual-width GPU cards

◆   Supports SATA/SAS/NVMe tri-mode hard drive configurations, meeting high-speed transmission and data storage needs

IV Pictures

Front View

Rear View

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

V Specifications

Product Series	SY4108G-D12R-G4	SY4108G-D24R-G4
Form Factor	Pass-though 8-GPU 12-Bay AI Server	Switch 8-GPU 24-Bay AI Server
GPU	Up to 8 dual-width 600W GPUs	Up to 8 dual-width 600W GPUs

Dimension	176.5mm (H) x 444mm (W) x 850mm (D)
Processor	Supports 1 or 2 4th/5th Generation Intel® Xeon® Scalable Processors, with a maximum TDP of 350W
Memory	32 DDR5 memory slots, supporting DDR5 4400/4800/5600MHz memory
Internal Storage Interface	2 Slimline 4x interfaces (SATA), 2 M.2 slots (2280/22110, SATA/PCIe 3.0 x1)
External Hard Drive	12 hot-swappable 3.5"/2.5" SAS/SATA/NVMe hard drives	24 hot-swappable 2.5" SAS/SATA/NVMe hard drives
External Ports	Front Ports: 2x USB 3.0, 1x VGA
	Rear Ports: 1x Serial Port, 2x USB 3.0, 1x VGA, 1x RJ45 Management Port (optional upgrade to 2x 10G RJ45 Network Ports)
PCIE Expansion Specification	Up to 13 PCIe expansion slots (OCP 3.0 card can be optionally configured as PCIe 5.0 x8 or x16, which is mutually exclusive with one of the PCIe5.0 standard single-width slots)	Up to 15 PCIe 5.0 expansion slots + 1 OCP 3.0 slot
OS	Microsoft Windows Server, RedHatEnterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, VmwareEXSi, etc.
Security	Supports TPM 2.0 module, chassis intrusion alert, BMC/BIOS redundancy
Power Supply	3+1 or 2+2 Redundancy (2000W/2200W/2600W/3200W)
Fan	Standard 12 hot-swappable 6056 N+1 redundant fans
IPMI	Supports Redfish, SNMP, IPMI 2.0, and other standard interfaces
Management Port	1 dedicated RJ45 management port
Operating Temperature	5°C～35°C

VI Order Information

Type	PN	Model	Description
Barebone	0.95.004.0051	SY4108G-D12R-G4	Gooxi Eagle Stream 4U 8-GPU direct-connect server, supports 12 * 3.5"/2.5" SATA/SAS/NVMe hard drives, comes standard with 4 units of 2000W power supplies
Barebone	0.95.004.0052	SY4108G-D24R-G4	Gooxi Eagle Stream 4U 8-GPU Switch expansion server, supports 24 * 2.5" SATA/SAS/NVMe hard drives, comes standard with 4 units of 2000W power supplies
Optional Accessories			

Power Module	3.03.153.0064	GC2000PMT	Gooxi 2000W CRPS power module
Power Module	3.03.153.0054	GC2200PMT	Gooxi 2200W CRPS power module
Power Module	3.03.153.0075	GC2600PMT	Gooxi 2600W CRPS power module
Power Module		GC3200PMT	Gooxi 3200W CRPS power module
Network Card	4.00.104.0013	G82599-PK	Adopts Intel 82599 chip, with dual 10G optical port PCIe network card.
Network Card	4.00.104.0008	G710-PK	Adopts Intel XL710 chip, with an onboard 40G optical port PCIe network card.
Network Card	1.23.222.0348	G82599L	Adopts Intel 82599 chip, with dual 10G optical port OCP3.0 network card.
Network Card	1.23.222.0417	G710L	Adopts Intel XL710 chip, with an onboard 40Gb optical port OCP3.0 network card.
Slide Rail	3.11.001.0016	C7007-108-3	Full extension length of 920mm, supporting 1m-1.2m cabinets.

(The final interpretation right belongs to Gooxi)