

Intel Eagle Stream 8U 8-GPU AI Server

SY8108G-G4



Product Overview

SY8108G-G4 is an AI computing server based on the Intel Eagle Stream platform, offering powerful computing capabilities and exceptional scalability to meet the needs of various AI applications. It is suitable for large-scale models, cloud gaming, artificial intelligence, cloud computing, virtualization, big data analytics, and digital twins.

Product Features

New Architecture, Ultimate Performance

- Supports 1/2 4th/5th Gen Intel® Xeon® Scalable processors
- DDR5 and PCIe 5.0 technologies enhance data transfer speeds
- CPU-GPU direct connection enables extreme multi-GPU computing power

Flexible Topology, Key Applications

- CPU-GPU direct connection supports up to 8 GPUs, including 600W dual-width, 3-width, 3.5-width, and 4.5-width GPUs for high-speed and stable operation
- Supports various CPU-GPU interconnect topologies, including common and performance modes, to suit diverse application scenarios

Rich Ecosystem, Stable and Reliable

- Compatible with both international and domestic AI accelerator cards
- Redundant design for critical system components and modular functional components to enhance reliability and maintainability
- Supports intelligent remote management and fault diagnosis, ensuring 24/7 stable and efficient operation

Application Scenarios



Large-scale



Cloud Gaming



Artificial Intelligence



Cloud Computing



Virtualization



Big Data Processing



Digital Twin

Product Specifications

Component	Description
Form Factor	Passthrough 8-GPU 12-Bay AI Server
Processor	1/2 4th/5th Gen Intel® Xeon® Scalable processors, with a maximum TDP of 350W
Memory	32 DDR5 memory slots, supporting DDR5 4400/4800/5600MHz memory
GPU	Up to 8 GPUs with 600W dual-width, 3-width, 3.5-width, 4.5-width configurations, with a maximum GPU width of 89mm
Hard Drives	Front: 12x 3.5/2.5" SAS/SATA/NVMe hot-swappable drives Internal: 2 Slimline 4x connectors (SATA), 2 M.2 slots (2280/22110, SATA/PCIe 3.0 x1)
PCIe Expansion	Up to 13 PCIe expansion slots
RAID Support	RAID 0/1/10&5
Power Supply	Supports 8 CRPS 1600W/2200W/2600W power modules, with hot-swap and N+N, N+M redundancy modes
Fans	Standard 6x 6056 and 6x 12038 fans
Dimensions	910mm x 446mm x 364.6mm (D x W x H)
Temperature	5°C~35°C (may vary based on configuration)