

AMD EPYC Turin 6U 8-GPU AI Server

SYR6108G-G5



Application Scenarios



Artificial Intelligence



Scientific Computing



Cloud Computing



Virtualization



Big Data Processing



Digital Twin

Product Overview

SYR6108G-G5 is built on AMD's latest Turin platform, specifically designed for the field of artificial intelligence computing. It delivers powerful computing performance and exceptional scalability, capable of meeting the demands of complex AI computing tasks while providing outstanding data processing efficiency. Supporting multiple CPU-GPU direct connection topologies, it fulfills the application needs of various AI business scenarios.

Product Features

- #### New Architecture, Extreme Performance

 - Supports 1/2 AMD EPYC Turin processors, compatible with AMD EPYC Genoa processors.
 - Supports 24 DDR5 6400/4800MT/s ECC memory modules, with a 75% increase in memory bandwidth.
 - Supports 12 3.5"/2.5" SATA/SAS/U.2 drives, meeting high-speed transmission and data storage needs.
- #### Flexible Topology, Critical Applications

 - Supports up to 12 PCIe 5.0 high-speed expansion slots, offering extensive expansion capabilities.
 - CPU-GPU direct connection supports 8 600W 2.5-width or 3.3-width GPUs, meeting high-performance computing demands.
 - Onboard 2 M.2 (2280) slots, supporting high-speed caching.
- #### Rich Ecosystem, Stable and Reliable

 - Compatible with AI acceleration cards from both international and domestic brands.
 - System critical components feature redundant design; modularized functional components enhance reliability and maintainability.
 - Supports intelligent remote management and remote fault diagnostics, ensuring efficient and stable 24/7 operation.

Product Specifications

Component	Description
Form Factor	Passthrough 8-GPU 12-bay AI Server
GPU	Supports up to 8*600W dual-width, 2.5-width, or 3.3-width GPUs
Dimension	265mm (H) x 444mm (W) x 910mm (D)
Processor	Supports 2 AMD EPYC Turin 9005 series processors, compatible with Genoa 9004 series processors, with a maximum supported TDP of 500W
Memory	24 DDR5 memory slots, supports DDR5 4800/6400 MHz memory
External Hard Drive	12 hot-swap 3.5"/2.5" SAS/SATA/NVMe 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, 2x Gigabit RJ45 ports
PCIe Expansion Specification	Supports 11 PCIe 5.0 expansion slots: 8 PCIe 5.0 x16 slots, 3 PCIe 5.0 x8 slots; (default supports direct connection of 2 PCIe 5.0 x4 U.2 drives)
OS	Microsoft Windows Server, RedHatEnterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, VmwareEXSi, etc
Security	Supports TPM 2.0 module, intrusion alarm, BMC/BIOS redundancy
Power Supply	3+1 redundancy (2600W/3200W)
Fan	12x 6056 Hot-Swap N+1 Redundant Fan, 4x 8038 Hot-Swap N+1 Redundant Fan
IPMI	Standard interfaces such as IPMI 2.0
Management Port	1 dedicated RJ45 management port
Temperature	5°C~35°C