

Maipu MPS4108G-G4 Series GPU Server Datasheet

Overview

Maipu MPS4108G-G4 is a 4U 8*GPU AI Server developed by Maipu, 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.



Key Features

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

Technical Specifications

Product Model	MPS4108GD12R-G4	MPS4108GD24R-G4
Form Factor	Pass-through 8-GPU 12-Bay AI Server	Switch 8-GPU 24-Bay AI Serve
System Size	850*444*176.5mm (Depth*Width*Height)	
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 RDIMM 4400/4800/5600MHz memory	
Internal Storage Interface	2*Slimline4xinterfaces(SATA),2*M.2slots(2280/22110,SATA/PCIe3.0x1)	
External Hard Drive	Support 12*hot-swappable 3.5/2.5-inch SAS/SATA/U.2 hard drives	Support 24*hot-swappable 2.5-inch SAS/SATA/U.2 hard drives
External Ports & Buttons	Front: 1*VGA, 2*USB3.0, Rear: 1*VGA, 1*RJ45 Gigabit Ethernet ports, 1*Serial port, 2*USB3.0	
PCIe Expansion	Up to 13*PCIe expansion slots(OCP3.0 card can be optionally configured as PCIe5.0 x8 or x16,which is mutually exclusive with one of the PCIe5.0 standard single-width slots)	Upto15*PCIe5.0 expansion slots + 1*OCP3.0slot
Security	Support TPM Module (Optional)	
Power Supply	3+1 or 2+2 Redundancy (2000W/2200W/2600W/3200W)	
FAN	Standard 12*hot-swappable 6056 N+1 redundant fans	
IPMI	IPMI 2.0	
Management	1*DC0 RJ45 Management Port	
Temperature	Working Temperature 5°C–35°C Short-term storage (≤72 hours): -40°C ~ 70°C Long-term storage (>72 hours): 20°C ~ 28°C	
Humidity	Working Humidity 20%–80%RH non-condensing Short-term storage (≤72 hours): 20% ~ 90% RH (non-condensing, including packaging) Long-term storage (>72 hours): 30% ~ 70% RH (non-condensing, including packaging)	

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