

Maipu MPS101-G4 Series Rack Server Datasheet

Overview

Maipu MPS101-G4 is a high-end 1U dual-socket server, supporting 1 or 2 4th/5th generation Intel® Xeon® Scalable processors, 32*DIMM DDR5 memory slots, supports 2*M.2 interfaces, 1*RJ45 management port, and 12*PCIe 5.0 expansion slots. It is suitable for virtualization, cloud computing, big data processing, high-performance computing, distributed storage, enterprise markets, or telecommunications business applications, and more.



Key Features

- Supports 1 or 2 4th/5th generation Intel® Xeon® Scalable processors, with a maximum TDP of 350W
- Supports a maximum of 32*DDR5 memory slots, with memory frequencies of 4400/4800/5600MHz
- 2*SATA/NVMe M.2 interfaces.
- Modular design,supporting up to 5*PCIe 5.0 expansions

Technical Specifications

Product Model	MPS101D10R-NV-G4
Form Factor	1U 10-Bay Server
System Size	799*444*43.6mm (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	3*Mini SAS HD interfaces, 2*SATA/NVMe M.2 SSD interfaces, 14*MCIO interface
External Hard Drive	Front: support 8*hot-swappable 2.5-inch SAS/SATA/U.2 hard drives and rare 2*2.5-inch hard drive.
External Ports & Buttons	Front: 1*VGA, 2*USB3.0, Rear: 1*VGA, 1*RJ45 Gigabit Ethernet ports, 1*COM port, 2*USB3.0
PCIe Expansion	1 full-height PCIe slots, 2 half-height PCIe slots, 2 OCP 3.0 slots Riser1: 1*Full height PCIe 5.0 x16 Riser2: 1*Half height PCIe 5.0 x8(in PCIe x16 slot) Riser3: 1*Half height PCIe 5.0 x8(in PCIe x16 slot) OCP: 2*OCP 3.0(PCIe 5.0 x8)
Security	Support TPM Module (Optional)
Power Supply	Optional AC 220V 550W、800W、1300W、1600W、2000W、2200W 1+1 redundant power supply(adapted to actual power requirements)
FAN	Standard 7 hot-swappable N+1 redundant fans, supporting 4056 specifications
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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