Maipu MPS201R-G2 Series Rack Server Datasheet

Overview

Maipu MPS201R-G2 is a high-end 2U AMD dual-socket server, supporting AMD EPYC 9004 (Genoa) series processors, 24*DDR5 memory slots, supports 2*M.2 interfaces, 2*RJ45 Ethernet ports, 1*RJ45 management port, and 11*PCIe 3.0 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 AMD EPYC 9004 series processors
- Supports 24* DDR5 memory slots, with memory maximum 4800MHz
- Modular design, allowing various combinations of PCIe and hard drive options.
- Up to 11*PCIe expansions, with optional support for 2 double-width, full-height, full-length GPU cards.

Technical Specifications

Product Model	MPS201RD08R-NV-G2	MPS201RD08R-G2	MPS201RD12R-NV-G2
Form Factor	2U 8*U.2 Direct-Connect Server	2U 08*SATA/SAS Direct-Connect Server	2U 12*U.2 Direct-Connect Server
External Hard Drive	Front: support 8*hot-swappable 3.5/2.5-inch SAS/SATA/U.2 hard drives Rear: optional support 2*2×2.5-inch SAS/SATA or U.2 hard drive modules	Front: support 8*hot-swappable 3.5/2.5-inch SAS/SATA hard drives Rear: optional support 2*2×2.5-inch SAS/SATA or U.2 hard drive modules	Front: support 12*hot-swappable 3.5/2.5-inch SAS/SATA/U.2 hard drives Rear: optional support 2*2×2.5-inch SAS/SATA or U.2 hard drive modules
Product Model	**MPS201RD12RE-G2**	**MPS201RD12R-G2**	**MPS201RD25RE-G2**
Form Factor	2U 12*SATA/SAS Expansion Server	2U 12*SATA/SAS Direct-Connect Server	2U 25*SATA/SAS Expansion Server
External Hard Drive	Front: support 12*hot-swappable 3.5/2.5-inch SAS/SATA hard drives Rear: optional support 2*2×2.5-inch SAS/SATA or U.2 hard drive modules	Front: support 12*hot-swappable 3.5/2.5-inch SAS/SATA hard drives Rear: optional support 2*2×2.5-inch SAS/SATA or U.2 hard drive modules	Front: support 25*hot-swappable 2.5-inch SAS/SATA hard drives Rear: optional support 2*2×2.5-inch SAS/SATA or U.2 hard drive modules
System Size	748*433*87.6mm (Depth*Width*Height)		
Processor	Supports 1 or 2 AMD EPYC 9004 series (Genoa) processors		
Memory	24*DDR5 memory slots, supporting DDR5 RDIMM 4400/4800MHz memory		
Internal Storage Interface	3*Mini SAS HD interfaces, 4*SATA interfaces (2 of them support SATA DOM), 2*NVMe M.2 interfaces (size 2280)		
External Ports & Buttons	Front: 1*VGA, 2*USB3.0, Rear: 1*VGA, 2*RJ45 Gigabit Ethernet ports, 1*RJ45 Gigabit Management port, 1*COM port, 2*USB3.0		
PCIe Expansion	6*full-height PCIe slots, 4*half-height PCIe slots, 1*OCP 3.0 slots Riser1/2： 1* PCIe x 16 or 1* PCIe x 16, 2* PCIe x 8 or 2* PCIe x16 Riser3: 2* PCIe x 8 or 1* PCIe x16 Riser4: 1* PCIe x 16 or 2* PCIe x8 OCP: 1*OCP 3.0		
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 4 hot-swappable N+1 redundant fans, supporting 8038/8056 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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