

Maipu MPS201R Series Rack Server Datasheet

Overview

Maipu MPS201R is a high-end 2U AMD dual-socket server, supporting AMD EPYC 7003 (Milan) series, 7002 (Rome) series and 7001 (Naples) series processors, 32*DIMM DDR4 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 7003/ 7002/ 7001 series processors
- Supports 32* RECC DDR4 memory slots, with memory maximum 3200MHz
- 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	MPS201RD08R	MPS201RD12R-NV
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*2×3.5-inch hard drive modules or 2*2×2.5-inch hard drive modules	Front: support 8*hot-swappable 3.5/2.5-inch SAS/SATA hard drives Rear: optional support 2*2×3.5-inch hard drive modules or 2*2×2.5-inch hard drive modules	Front: support 12*hot-swappable 3.5/2.5-inch SAS/SATA/U.2 hard drives Rear: optional support 2*2×3.5-inch hard drive modules or 2*2×2.5-inch hard drive modules
Product Model	MPS201RD12RE	MPS201RD12R	MPS201RD25RE
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*2×3.5-inch hard drive modules or 2*2×2.5-inch hard drive modules	Front: support 12*hot-swappable 3.5/2.5-inch SAS/SATA hard drives Rear: optional support 2*2×3.5-inch hard drive modules or 2*2×2.5-inch hard drive modules	Front: support 25*hot-swappable 2.5-inch SAS/SATA hard drives Rear: optional support 2*2×3.5-inch hard drive modules or 2*2×2.5-inch hard drive modules
System Size	748*433*87.6mm (Depth*Width*Height)		
Processor	Supports 1 or 2 AMD EPYC 7003 series (Milan) processors; *Compatible with AMD EPYC 7002 series (Rome) and AMD EPYC 7001 series (Naples)		
Memory	32*DDR4 memory slots, supporting DDR4 2666/2933/3200MHz 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: 2* PCIe x 16 or 1* PCIe x 16, 2* PCIe x 8 or 3* PCIe x 8 Riser3: 1* PCIe x 16 or 2* PCIe x 8 Riser4: 1* PCIe x 16 or 2* PCIe x 8		
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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