Maipu MPS201RS Series Rack Server Datasheet

Overview

Maipu MPS201RS is a standard 2U AMD dual-socket server, supporting AMD EPYC 7003 (Milan) series, 7002 (Rome) series and 7001 (Naples) series processors, 16*DIMM DDR4 memory slots, supports 1*M.2 interfaces, 2*RJ45 Ethernet ports, 1*RJ45 management port, and 10*PCIe 4.0/3.0 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
- Multi-modularrearwindowtomeetmulti-combinationneeds
- 10*PCIe high-speed expansion slots to provide rich expansion performance
- 2*full-height, double-width high-performance GPU cards to meet the needs of high computing power
- 16*RECC DDR4 memory slots, the maximum frequency supports 2933MHz

Technical Specifications

Product Model	MPS201RSD08R	MPS201RSD08R-NV	MPS201RSD12RE	MPS201RSD12RE-NV
Form Factor	2U 8*SATA/SAS Direct-Connect Server	2U 8*SATA/SAS Direct-Connect Server	2U 12*SATA/SAS Expansion Server	2U 12*SATA/SAS Expansion Server
External Hard Drive	Front: support 8*hot-swappable 3.5/2.5-inch SAS/SATA hard drives Rear: optional support 2×2.5-inch SAS/SATA/U.2 hard drive modules	Front: support 12*hot-swappable 3.5/2.5-inch SAS/SATA/U.2 hard drives Rear: optional support 2×2.5-inch SAS/SATA/U.2 hard drive modules	Front: support 12*hot-swappable 3.5/2.5-inch SAS/SATA hard drives Rear: optional support 2×2.5-inch SAS/SATA/U.2 hard drive modules	Front: support 12*hot-swappable 3.5/2.5-inch SAS/SATA/U.2 hard drives Rear: optional support 2×2.5-inch SAS/SATA/U.2 hard drive modules
System Size	695*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	16*DDR4 memory slots, supporting DDR4 LRDIMM/RDIMM 2133/2400/2666/2933MHz memory The maximum capacity is 256GB per single memory, and the whole server supports maximum 4TB			
Internal Storage Interface	2*Mini SAS HD interfaces, 1*NVMe PCIe 3.0*4 interfaces			
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	Form 1: 2*full-height, double-width， 2*half-height PCIe slots Form 2: 10*PCIe half-height slots Form 3: 1*full-height, double-width， 9*half-height PCIe slots Form 4: 1*full-height, double-width, 3*half-height PCIe slots			
Security	Support TPM Module (Optional)			
Power Supply	Optional AC 220V 550W、800W、1300W、1600W、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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