Maipu MPS201S-G3 Series Rack Server Datasheet

Overview

Maipu MPS201S-G3 is a standard 2U dual-socket server, supporting 1 or 2 3rd generation Intel® Xeon® Scalable processors, 16*DIMM DDR4 memory slots, supports 1*M.2 interfaces, 2*RJ45 Ethernet ports, 1*RJ45 management port, and 10*PCIe 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 3rd generation Intel® Xeon® Scalable processors, with a maximum TDP of 205W
- Supports a maximum of 16*DDR4 memory slots, with memory frequencies of 2666/2933/3200MHz
- 1* built-in NVMe PCIe 3.0 M.2 interfaces
- Up to 10*PCIe high-speed expansion slots, providing rich expansion performance
- 10*half-height high-performance GPUs or 2*full-height, double-width high-performance GPUs to meet the needs of high computing power

Technical Specifications

Product Model	MPS201SD08R-G3	MPS201SD12RE-G3
Form Factor	2U 8*SATA/SAS Direct-Connect Server	2U 12*SATA/SAS Expansion Server
External Hard Drive	Front: support 8*hot-swappable 3.5/2.5-inch SAS/SATA/U.2 hard drives Rear: optional support 2×2.5-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 3rd generation Intel® Xeon® Scalable processors	
Memory	16*DDR4 memory slots, supporting DDR4 LRDIMM/RDIMM 2666/2933/3200MHz memory	
Internal Storage Interface	3*Mini SAS HD interfaces, 2*SATA DOM interfaces, 1*NVMe PCIe 3.0*4 interfaces	
External Ports & Buttons	Front: 2*USB 3.0, 1*Power button, 1*Reset button, 1*Hard disk indicator, 1*System fault indicator, 2*Network status indicators Rear: 1*VGA, 2*RJ45 Gigabit Ethernet ports, 1*RJ45 Gigabit Management port, 1*COM port, 2*USB3.0	
PCIe Expansion	**10*PCIe half-height version:** Support 6*half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot), 1*half-height PCIe 3.0x16 and 3*half-height PCIe 4.0x16; Optional support for 4*half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot), 2*half-height PCIe 3.0x16, and 3*half-height PCIe 4.0x16 **7*PCIe half-height version:** Support 4*half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot) and 3*half-height PCIe 4.0x16; Optional support for 2*half-height PCIe 3.0x8 (in PCIe 3.0 x16 slot), 1*half-height PCIe 3.0x16, and 3*half-height PCIe 4.0x16 **1*PCIe full-height, double-width version:** Support 1*full-height, double-width PCIe3.0 x16, 6*half-height PCIe 3.0x8 (in PCIe x16 slot), 1*half-height PCIe 3.0x16 and 2*half-height PCIe 4.0x16 **2*PCIe full-height, double-width version:** Support 1*full-height, double-width PCIe4.0 x16, 1*full-height, double-width PCIe3.0 x16 and 3*half-height PCIe x8	
Security	Support TPM Module (Optional)	
Power Supply	Optional AC 220V 550W、800W、1300W、1600W 1+1 redundant power supply(adapted to actual power requirements)	
FAN	Standard 4 hot-swappable N+1 redundant fans, supporting 8038/8056 specifications (7PCIe version: 3* 8038/8056 hot-swap 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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