

# Maipu MPS201-G3 Series Rack Server Datasheet

## Overview

Maipu MPS201-G3 is a high-end 2U dual-socket server, supporting 1 or 2 3rd generation Intel® Xeon® Scalable processors, 32\*DIMM DDR4 memory slots, supports 2\*M.2 interfaces, 2\*RJ45 Ethernet ports, 1\*RJ45 management port, and 11\*PCIe 3.0/4.0 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 3rd generation Intel® Xeon® Scalable processors, with a maximum TDP of 270W
- Supports a maximum of 32\*DDR4 memory slots, with memory frequencies of 2666/2933/3200MHz
- 2\* built-in NVMe PCIe 4.0 M.2 interfaces.
- 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	MPS201D08R-NV-G3	MPS201D08R-G3	MPS201D12R-NV-G3
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	MPS201D12RE-G3	MPS201D12R-G3	MPS201D25RE-G3
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 3rd generation Intel® Xeon® Scalable processors, with a maximum TDP of 270W		
Memory	32*DDR4 memory slots, supporting DDR4 LRDIMM/RDIMM 2666/2933/3200MHz memory		
Internal Storage Interface	3*Mini SAS HD interfaces, 2*SATA DOM interfaces, 2*NVMe PCIe 4.0 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: 1*Full height PCIe 4.0 x16, 2* Full height PCIe 4.0 x8 2* Full height PCIe 4.0 x16 Riser2: 1*Full height PCIe 4.0 x16, 2* Full height PCIe 4.0 x8 2* Full height PCIe 4.0 x16 Riser3 : 1*half height PCIe 4.0 x16 1*half height PCIe 3.0 x8, 1*half height PCIe 3.0 x8 (in x16 slot) Riser4 : 1*half height PCIe 3.0 x8, 1*half height PCIe 3.0 x8 (in x16 slot) OCP: 1*OCP 3.0(PCIe 3.0 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 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 ( $\leq 72$ 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 ( $\leq 72$ hours): 20% ~ 90% RH (non-condensing, including packaging) Long-term storage ( $> 72$ hours): 30% ~ 70% RH (non-condensing, including packaging)

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