

Maipu MPS202-G3 Series Rack Server Datasheet

Overview

Maipu MPS202-G3 is a high-end 2U dual-socket server, supporting 1 or 2 4th/5th generation Intel® Xeon® Scalable processors. It is equipped with 8-channel 5600MT/s DDR5 memory technology, providing users with up to 50% bandwidth improvement. With support for 12 PCIe5.0 slots and up to 24 hard drive slots, it achieves flexible expansion capabilities. With 96% power efficiency and a standard operating temperature range of 0°C to 45°C, it offers users higher energy efficiency returns.



Key Features

- Open ecosystem design based on the OCSP standard
- Server management based on Open BMC
- Up to 32 memory slots
- Up to 24 hard drive slots
- Up to 12 PCIe slots
- Quick assembly and disassembly, with hot-swappable core components

Technical Specifications

Product Model	MPS202-G3
System Size	2U chassis 87mm (height) x 447.4mm (width) x 800mm (depth) (excluding security panel)
Processor	Supports up to 2 Intel® Xeon® 4th/5th Gen Scalable Processors, with a maximum of 64 cores per processor and a maximum power of 350W each, support HBM.
Memory	Supports up to 32 DDR5 memory slots, with a maximum speed of 5600MT/s, and RDIMM support, max 8TB. Support CXL 1.1(Optional)
Chipset	C741
Storage Controller	Optional high-performance RAID controller supporting RAID 0/1/10/5/6/50/60.
Storage Expansion	<ul style="list-style-type: none"> ● Up to 24 hard drives ● Supports up to 14 x 3.5" drives (12 front) ● Supports up to 24 x 2.5" drives (24 front) ● Supports up to 24 x NVMe U.2 drives (24 front) ● Optional 2 x 2280 SATA or 1 x NVMe M.2 SSDs
PCIe Expansion	<ul style="list-style-type: none"> ● Up to 12 PCIe expansion slots ● Supports up to 10 standard PCIe slots (10 rear) ● Supports up to 2 OCP 3.0 slots
GPU Support	Supports up to 4 dual-width GPU cards (maximum 450W per card)
Management Software	Integrated BMC management chip AST2600, supports IPMI 2.0, Redfish, SOL, KVM, Virtual Media, and more.
Network	<ul style="list-style-type: none"> ● Onboard 1 x GbE dedicated management port ● Supports 2 x OCP 3.0 NICs ● Optional network adapter based on standard PCIe slots
I/O Interfaces	<ul style="list-style-type: none"> ● Standard 1 x RJ45 management port, 1 x rear VGA port, 4 x USB ports (2 front, 2 rear) ● Optional expansion card with 2 rear USB ports, 1 USB Type-C management port, 1 RJ45 management port ● Left ear: 2 x USB 2.0, optional 2 x USB 3.0 ● Right ear: Optional smart ear with 1 x VGA, 1 x management port, or 1 x Type-C management interface
Security	Supports chassis intrusion detection, Intel PFR 3.0 and SGX 2.0 security technologies, and TCM/TPM security modules.
Power Supply	Optional 550W/800W/1300W/1600W/2000W/2600W/2700W/3200W CRPS standard power supplies, supporting 1+1 redundancy.
Operating Temperature	0°C to 45°C (operating temperature varies based on configuration, please refer to the product technical documentation for details).

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