

Maipu MPS202-G4 Series Rack Server Datasheet

Overview

Maipu MPS202-G4 is a high-end 2U dual-socket server, developed based on the Intel BHS-SP platform, supporting up to two Intel® Xeon® 6th Gen BHS-SP processors, paired with 32 DDR5 memory channels operating at 8000 MT/s. It supports 29 hard drive bays for flexible expansion. With 96% power efficiency and a standard operating temperature range of 5° C to 45° C, it delivers higher energy efficiency, suitable for diverse scenarios such as virtualization, cloud computing, and big data.



Key Features

- Open ecosystem design based on the OCSP standard
- Server management based on Open BMC
- Up to 32 memory slots
- Up to 29 hard drive slots
- Up to 10 PCIe slots
- Quick assembly and disassembly, with hot-swappable core components

Technical Specifications

Product Model	MPS202-G4
System Size	2U chassis 87mm (height) x 447.4mm (width) x 800mm (depth) (excluding security panel)
Processor	Supports up to 2 Intel® Xeon® Processors 6th Generation, up to 144 cores per processor, maximum power consumption 350W
Memory	Supports up to 32 DDR5 memory modules Supports RDIMM with speeds up to 6400MT/s (2DPC) Supports MCRDIMM memory with speeds up to 8000MT/s
Storage Controller	Optional high-performance RAID controller supporting RAID 0/1/10/5/6/50/60.
Storage Expansion	● Up to 29 hard drives ● Supports up to 16 x 3.5" drives (12 front, 4 rear) ● Supports up to 29 x 2.5" drives (25 front, 4 rear) ● Optional 2 x 2280/22110 SATA/NVMe M.2 SSDs
PCIe Expansion	● Up to 10 PCIe expansion slots ● Supports up to 2 OCP 3.0 onboard 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.
I/O Interfaces	● 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	Supports 1+1 redundant 800W~3200W CRPS standard power supplies
Operating Temperature	5°C to 45°C (operating temperature varies based on configuration, please refer to the product technical documentation for details).

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