

Maipu MPS202R-G3 Series Rack Server Datasheet

Overview

Maipu MPS202R-G3 is a high-end 2U dual-socket server, developed based on the AMD platform, supports up to two AMD EPYC™ Genoa/Turin processors and 6400MT/s DDR5 memory technology. It features 29 hard drive bays for flexible expansion. With 96% power efficiency and a standard operating temperature range of 0° C to 40° C, it delivers higher energy efficiency returns, making it suitable for diverse scenarios such as virtualization, cloud computing, big data, and AI inference and training.



Key Features

- Diverse computing power, compatible with various AI accelerator cards
- Combines training and inference capabilities to meet the computing demands of different AI workloads
- Up to 24 memory slots
- Up to 29 hard drive slots
- Up to 12 PCIe slots
- Up to 4 double-wide GPUs
- The rear 4GPU module is assembled from two components, simplifying maintenance and operations

Technical Specifications

Product Model	MPS202R-G3
System Size	2U chassis 87mm (height) x 447.4mm (width) x 800mm (depth) (excluding security panel)
Processor	Supports two AMD EPYC™ Genoa/Turin series processors, up to 128 cores per processor, maximum power consumption 500W
Memory	Supports up to 24 DDR5 memory slots, with a maximum speed of 6400MHz
GPU	Up to 4 dual-width GPU cards optional (maximum power consumption per card: 450W)
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 29 hard drives ● Supports up to 14 x 3.5" drives (12 front) ● Supports up to 25 x 2.5" drives (25 front) ● Supports up to 24 x NVMe U.2 drives (24 front) ● Supports up to 4 LFF/SFF hard drives (rear) ● 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
Management Software	Integrated BMC management chip AST2600, supports IPMI 2.0, Redfish, SOL, KVM, Virtual Media, and more.
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, and TCM/TPM security modules.
Power Supply	Optional 800W to 3200W CRPS standard power supplies, supporting 1+1 redundancy
Operating Temperature	0°C to 40°C (operating temperature varies based on configuration, please refer to the product technical documentation for details).

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