

MiTAC B8056G68CE12HR-2T-TU - rack-mountable no CPU - SSD(B8056G68CE12HR-2T-TU)

MiTAC B8056G68CE12HR-2T-TU - Server - rack-mountable 1U - 1-way - no CPU - NVMe - hot-swap 2.5" bay(s) - SSD - AST2600 - Gigabit Ethernet, 10 Gigabit Ethernet - no OS - monitor: none



The Mio MiTAC B8056G68CE12HR-2T-TU is designed for efficient rack-mounted server solutions. With a robust chassis that supports 12 hot-swap bays, this server utilizes NVMe technology for quick data access. It features dual PCIe 5.0 x16 expansion slots, allowing for flexibility and scalability to meet various networking and processing needs. This server operates within a temperature range of 10°C to 35°C and supports up to 24 DDR5 SDRAM slots for memory expansion. Power reliability is ensured with an 860-watt power supply and a 1+1 redundancy scheme. The advanced remote management via IPMI 2.0 and compliance with various standards further enhances its functionality, making it suitable for diverse server applications.

Key Selling Points

- 12 hot-swap bays for easy drive management
- Dual PCIe 5.0 x16 slots for expansion
- Supports up to 24 DDR5 RAM slots
- Efficient power supply with redundancy
- Remote management capabilities with IPMI 2.0

Product Features

- Efficient hot-swap capability**
Equipped with 12 hot-swap bays, the server allows for easy replacement of drives without powering down, ensuring minimal downtime and seamless operation.
- Scalable expansion options**
Features dual PCIe 5.0 x16 slots, providing capacity for graphics cards or additional network interface cards to facilitate enhanced performance and connectivity.
- Robust memory capacity**
Supports up to 24 slots for DDR5 SDRAM running at 5200 MHz, allowing for substantial memory upgrades to accommodate demanding applications.
- Reliable power management**
Includes an 860-watt power supply with redundancy, ensuring consistent power delivery and minimizing the risk of server downtime.
- Advanced remote management**
Incorporates IPMI 2.0 for effective remote management, enabling monitoring and control of server functions to enhance administration efficiency.

Main Specifications

Product Description	MiTAC B8056G68CE12HR-2T-TU - rack-mountable no CPU - SSD
Type	Server - rack-mountable
Height (Rack Units)	1U
Server Scalability	1-way
Processor	No CPU
Processor Socket	Socket SP5
RAM	6144 GB (max) - DDR5 SDRAM
Server Storage Bays	Hot-swap 2.5"
Hard Drive	SSD (hot-swap) - PCI Express (NVMe)
Optical Storage	No optical drive
Graphics Controller	ASPEED AST2600
Networking	1GbE, 10GbE

Power	(50/60 Hz)
Power Redundancy	Yes
OS Provided	No operating system
Dimensions (WxDxH)	43.8 cm x 68 cm x 4.3 cm

Extended Specification

General

Type	Server
Product Form Factor	Rack-mountable - 1U
Built-in Devices	6 x fans
Server Scalability	1-way
Internal Bays Qty	12
Front Accessible Bays Qty	12
Hot-Swap Bays Qty	12

Expansion / Connectivity

Slots	2 PCIe 5.0 x16 1 PCIe 5.0 x16 / Open Compute Project mezzanine (OCP) 3.0
Interfaces	1 x USB 3.2 Gen 1 - Type A 1 x USB 3.2 Gen 1 COM 3 x LAN (10Gigabit Ethernet) - RJ-45 1 x USB 3.2 Gen 1 2 x USB 3.2 Gen 1

RAM

Installed Size	6144 GB (max)
Technology	DDR5 SDRAM
Effective Memory Speed	5200 MHz
Rated Memory Speed	5200 MHz
Slots	24 (Total) / 24 (empty)

Networking

Ethernet Ports	3 x Gigabit Ethernet
Ethernet Controller	Intel X710-AT2, Realtek RTL8211F
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, 10 Gigabit Ethernet
Remote Management Protocol	IPMI 2.0
Remote Management Controller	Aspeed AST2600

Miscellaneous

Compliant Standards	FCC SDOC Class A, DOC-A, CB, LVD, VCCI, BSMI, RoHS, C-Tick
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Power

Device Type	Power supply
Power Redundancy	Yes
Power Redundancy Scheme	1+1
Voltage Required	AC 100-240 V (50/60 Hz)
Power Provided	860 Watt
80 PLUS Certification	80 PLUS Titanium

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	0 - 90% (non-condensing)

Optical Storage

Type	No optical drive
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Operating System / Software

OS Provided	No operating system
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Monitor

Monitor Type	None.
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Graphics Controller

Graphics Processor	ASPEED AST2600
Video Interfaces	VGA

Hard Drive

Type	SSD - hot-swap
Interface Type	PCI Express (NVMe)

Dimensions & Weight

Width	43.8 cm
Depth	68 cm
Height	4.3 cm

Processor / Chipset

CPU	No CPU
Max CPU Qty	1
CPU Upgradability	Upgradable
CPU Socket	Socket SP5
Motherboard Name	S8056GM2NE-2T-TU

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet