

MiTac B8016G40V4(B8016G40V4)

MiTAC B8016G40V4 - Server - rack-mountable 1U - 1-way - no CPU - SATA - hot-swap 2.5", 3.5" bay(s) - SSD 4, SSD 2 - AST2600 - Gigabit Ethernet - no OS - monitor: none

The Mio MiTAC B8016G40V4 is a rack-mountable server designed for performance and scalability. With four hot-swap bays capable of accommodating both 2.5" and 3.5" SATA drives, users can manage storage needs without downtime. The internal configuration includes four additional drive bays, allowing for expandability, suitable for businesses that require adaptable storage solutions.



Equipped with a PCIe 5.0 x16 expansion slot, the server offers multiple connectivity options, including three Gigabit Ethernet ports, ensuring seamless network integration. Advanced thermal management is facilitated by three built-in fans, while sensors monitor temperature and voltage, contributing to reliability. Furthermore, with a power supply rated for 300 W and 80 PLUS Gold certification, the B8016G40V4 ensures efficient energy consumption without compromising on power.

Key Selling Points

- Rack-mountable design for efficient space utilization
- Four hot-swap bays compatible with 2.5" and 3.5" SATA drives
- Scalable storage with four additional internal bays
- Multiple connectivity options including Gigabit Ethernet
- Enhanced thermal management with built-in fans and sensors

Product Features

- Expandable storage capacity**
This server supports up to four hot-swap bays for 2.5" and 3.5" SATA drives along with four internal bays, allowing for flexible data storage solutions.
- Efficient performance management**
Temperature and voltage sensors help monitor system performance and ensure optimal operating conditions, contributing to reliability.
- Robust connectivity options**
With three Gigabit Ethernet ports and various interface types including USB 3.1, USB 3.2, and VGA, this server ensures an adaptable network configuration.
- Active cooling system**
Three built-in fans maintain proper airflow and heat dissipation, which is essential for stable operation during high-performance tasks.
- Energy-efficient power supply**
Featuring a 300 W power supply with 80 PLUS Gold certification, this server offers high efficiency reducing energy consumption while maintaining performance.

Main Specifications

Product Description	MiTAC B8016G40V4 - rack-mountable no CPU - SSD 4, SSD 2
Type	Server - rack-mountable
Height (Rack Units)	1U
Server Scalability	1-way
Processor	No CPU
Processor Socket	Socket AM5
RAM	192 GB (max) - DDR5 SDRAM
Server Storage Bays	Hot-swap 2.5", 3.5"
Hard Drive	4 x SSD (hot-swap) - SATA 6Gb/s
Hard Drive (2nd)	2 x SSD - M.2
Optical Storage	No optical drive
Graphics Controller	ASPEED AST2600

Networking	1GbE
Power	(50/60 Hz)
OS Provided	No operating system
Dimensions (WxDxH)	43.85 cm x 40 cm x 4.32 cm

Extended Specification

General

Type	Server
Product Form Factor	Rack-mountable - 1U
Built-in Devices	3 x fans
Sensors	Temperature sensor, voltage sensor
Server Scalability	1-way
Internal Bays Qty	4
Front Accessible Bays Qty	4
Hot-Swap Bays Qty	4

Expansion / Connectivity

Slots	1 PCIe 5.0 x16
Interfaces	1 x USB 3.1 Gen 1 4 x USB 3.2 Gen 1 3 x VGA - DB-15 3 x LAN (Gigabit Ethernet) - RJ-45

RAM

Installed Size	192 GB (max)
Technology	DDR5 SDRAM
Slots	4 (Total) / 4 (empty)

Networking

Ethernet Ports	3 x Gigabit Ethernet
Ethernet Controller	Realtek RTL8211F
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
Remote Management Protocol	IPMI 2.0
Remote Management Controller	Aspeed AST2600

Miscellaneous

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

Device Type	Power supply
Voltage Required	AC 100-240 V (50/60 Hz)
Power Provided	300 Watt
80 PLUS Certification	80 PLUS Gold

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	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
Capacity	4
Interface Type	SATA 6Gb/s

Dimensions & Weight

Width	43.85 cm
Depth	40 cm
Height	4.32 cm

Hard Drive (2nd)

Type	SSD - M.2
Capacity	2
Features	NVM Express (NVMe)

Processor / Chipset

CPU	No CPU
Max CPU Qty	1
CPU Upgradability	Upgradable
CPU Socket	Socket AM5
Motherboard Name	S8016GM2NR-1U

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