MiTAC R2520G6U2XD - rack-mountable no CPU - SSD(R2520G6U2XD)

MiTAC R2520G6U2XD - Server - rack-mountable 2U - 2-way - no CPU - SATA - hot-swap 2.5" bay (s) - SSD - AST2600 - Gigabit Ethernet - no OS - monitor: none

The Mio MiTAC R2520G6U2XD is designed to meet the demands of modern data environments, featuring a rack-mountable form factor that facilitates efficient space utilization. This server is equipped with 24 hot-swap bays supporting 2.5-inch SATA drives, allowing for seamless drive management and minimal downtime. The redundancy in its 2000 watts power supply enhances reliability, ensuring that operations remain uninterrupted during critical tasks. With robust expansion capability, this server provides a total of 5 expansion slots, including PCIe 5.0 x16 and OCP 3.0 options, making it flexible for future upgrades. Operating within a temperature range of 10°C to 35°C and humidity levels of 5 to 95%, it is engineered to perform efficiently in various environments. The combined features establish the Mio MiTAC R2520G6U2XD as a dependable solution for organizations requiring powerful and adaptable server infrastructure.

Key Selling Points

Rack-mountable design for efficient space management
24 hot-swap bays for easy drive maintenance
2000 watts power supply with redundancy
Five expansion slots for future upgrades
Seamless operation in a variety of environmental conditions

Product Features

Reliable power supply
Equipped with a 2000 watts power supply featuring a 1+1 redundancy scheme to ensure continuous operation and enhanced reliability.

Extensive storage options
Offers 24 hot-swap bays that support 2.5-inch SATA drives, providing efficient management and quick replacement of drives without downtime.

Flexible expansion capabilities
Includes a total of 5 expansion slots, featuring options for PCIe 5.0 x16 and OCP 3.0 to accommodate a range of future upgrades.

Broad environmental compatibility
Designed to operate efficiently within a temperature range of 10°C to 35°C and humidity levels of 5 to 95%, ensuring reliability in various conditions.

Advanced memory technology
Supports DDR5 SDRAM with a memory speed of 6400 MHz, providing performance capabilities for demanding server applications.

Main Specifications

Product Description	MiTAC R2520G6U2XD - rack-mountable no CPU - SSD
Type	Server - rack-mountable
Height (Rack Units)	2U
Server Scalability	2-way
Processor	No CPU
Processor Socket	LGA4710 Socket
RAM	8192 GB (max) - DDR5 SDRAM
Server Storage Bays	Hot-swap 2.5"
Hard Drive	SSD (hot-swap) - SATA 6Gb/s / SAS 4.0 / PCI Express (NVMe)
Optical Storage	No optical drive
Graphics Controller	ASPEED AST2600
Networking	1GbE
Power Redundancy	Yes

OS Provided	No operating system
Dimensions (WxDxH)	43.8 cm x 77 cm x 8.7 cm
Weight	26.25 kg

Extended Specification

General

Type	Server
Product Form Factor	Rack-mountable - 2U
Built-in Devices	6 x fans
Server Scalability	2-way
Internal Bays Qty	24
Front Accessible Bays Qty	24
Hot-Swap Bays Qty	24

Expansion / Connectivity

Slots	5 PCIe 5.0 x16 ¦ 2 Open Compute Project mezzanine (OCP) 3.0 (Mezzanine)
Interfaces	1 x USB 3.0 ¦ 1 x Mini DisplayPort ¦ 1 x LAN (Gigabit Ethernet) - RJ-45

RAM

Installed Size	8192 GB (max)
Technology	DDR5 SDRAM
Effective Memory Speed	6400 MHz
Rated Memory Speed	6400 MHz
Slots	32 (Total) / 32 (empty)

Networking

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, NRTL, IC, sDoC, RoHS 2.0, RoHS

Power

Device Type	Power supply
Power Redundancy	Yes
Power Redundancy Scheme	1+1
Voltage Required	AC 100-127/200-240 V
Power Provided	2000 Watt
80 PLUS Certification	80 PLUS Titanium

Environmental Parameters

Min Operating Temperature	10 °C
Max Operating Temperature	35 °C
Humidity Range Operating	5 - 95% (non-condensing)

Optical Storage

Type	No optical drive

Operating System / Software

OS Provided	No operating system

Monitor

Monitor Type	None.

Graphics Controller

Graphics Processor	ASPEED AST2600
Video Interfaces	Mini DisplayPort

Hard Drive

Type	SSD - hot-swap
Interface Type	SATA 6Gb/s / SAS 4.0 / PCI Express (NVMe)

Dimensions & Weight

Width	43.8 cm
Depth	77 cm
Height	8.7 cm
Weight	26.25 kg

Dimensions & Weight (Shipping)

Shipping Weight	34.5 kg

Processor / Chipset

CPU	No CPU
Max CPU Qty	2
CPU Upgradability	Upgradable
CPU Socket	LGA4710 Socket
Motherboard Name	R520G6SB

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