

MiTAC R1520G6U2XD - rack-mountable no CPU - SSD(R1520G6U2XD)

MiTAC R1520G6U2XD - Server - rack-mountable 1U - 2-way - no CPU - SATA - hot-swap 2.5" bay (s) - SSD - AST2600 - Gigabit Ethernet - no OS - monitor: none



The Mio MiTAC R1520G6U2XD is a robust rack-mountable server designed for reliability and flexibility in demanding environments. With an internal capacity of 10 bays, it supports hot-swap functionality for SSDs, ensuring minimal downtime during maintenance. Supported by a powerful 1300-watt power supply with redundancy, this server is built to handle critical operations effectively. Operating within a temperature range of 10°C to 35°C with a humidity tolerance between 5% to 95%, it can function reliably in various conditions. Equipped with advanced PCIe 5.0 x16 and Open Compute Project mezzanine expansion slots, the R1520G6U2XD offers significant upgradability, making it suitable for evolving business needs. Designed for scalable server environments, it provides ample memory expansion capabilities with up to 32 slots for DDR5 SDRAM, ensuring high performance for multiple applications.

Key Selling Points

- Rack-mountable form factor allows for efficient use of space
- Hot-swap bays support easy replacement of drives
- Power redundancy ensures reliability during operation
- High capacity for memory expansion with 32 slots available
- Flexible environmental operation range to suit various settings

Product Features

Reliable hot-swap capability

The server features hot-swap bays that enable users to replace drives without downtime, facilitating maintenance and ensuring continuous operation.

Extensive memory capacity

With 32 slots for DDR5 SDRAM, the server offers significant options for memory expansion, supporting up to 6400 MHz speeds for high performance.

Robust power management

Equipped with a 1300-watt power supply and a 1+1 redundancy scheme, this server maintains operational stability even in the case of a power unit failure.

Flexible networking options

The MiTAC R1520G6U2XD is equipped with multiple data link protocols including Gigabit Ethernet and Fast Ethernet, ensuring versatile networking capabilities.

Versatile expansion possibilities

The PCIe 5.0 x16 expansion slots and Open Compute Project mezzanine support make this server adaptable for various configurations and future upgrades.

Main Specifications

Product Description	MiTAC R1520G6U2XD - rack-mountable no CPU - SSD
Type	Server - rack-mountable
Height (Rack Units)	1U
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 - 1U
Built-in Devices	6 x fans
Server Scalability	2-way
Internal Bays Qty	10
Front Accessible Bays Qty	10
Hot-Swap Bays Qty	10

Expansion / Connectivity

Slots	2 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	1300 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