## MiTAC R2520G6U2BC - rack-mountable no CPU - SSD(R2520G6U2BC)

## MiTAC R2520G6U2BC - 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 R2520G6U2BC is a rack-mountable server designed for storage and scalability in various operational environments. It features eight hot-swap storage bays capable of accommodating 2.5" drives, ensuring easy maintenance and uninterrupted service. The ventilation system is supported by six built-in fans, promoting effective cooling within the chassis. With the capacity to support up to two CPUs and a memory configurability of up to 32 slots for DDR5 SDRAM, this server allows businesses to adapt to their data needs. It also includes networking capabilities with Gigabit Ethernet for rapid data transfer and remote management capabilities using IPMI 2.0, making it suitable for modern data centers.

## Key Selling Points

Rack-mountable server with efficient cooling by 6 built-in fans
Eight hot-swap bays for quick and easy drive replacement
Supports up to 32 slots of DDR5 SDRAM for high-performance memory
Gigabit Ethernet connectivity for fast networking options
Redundant power supply with 80 PLUS Titanium certification

## Product Features

### Efficient Cooling System
Equipped with six built-in fans, the cooling system helps maintain optimal operating temperatures between 10°C and 35°C, ensuring system stability and performance over extended periods.

### Flexible Storage Options
The server supports eight hot-swap bays for 2.5" drives, allowing for quick drive changes without system downtime, and facilitating easy upgrades as storage requirements evolve.

### High Scalability
Featuring support for up to two CPUs and a maximum of 32 memory slots for DDR5 SDRAM, the R2520G6U2BC can easily adapt to increasing workloads and ensure performance remains consistent.

### Advanced Networking Capabilities
This server comes with Gigabit Ethernet support, facilitating high-speed data transfers and networking reliability within data centers, combined with IPMI 2.0 for efficient remote management.

### Reliable Power Management
The included power supply system provides redundancy with a 1+1 scheme and an 80 PLUS Titanium certification, ensuring lower energy consumption and improved reliability.

## Main Specifications

| | |
|---|---|
| Product Description | MiTAC R2520G6U2BC - 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 | 8 |
| Front Accessible Bays Qty | 8 |
| Hot-Swap Bays Qty | 8 |

**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 | 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 |