ComX Computers
Product Specification Sheet

MT-RDS2216-2XG-4S+4XS-2XQ

MikroTik RouterOS Enterprise Data Server

Product Overview

MikroTik RouterOS Enterprise Storage and Networking Data Serveror , DS2216-2XG-4S+4XS-2XQ, RouterOS License 6, RouterOS V7 Operating System, 32GB RAM, 128 MB storage size, 2 AC inputs, 1x Gigabit Ethernet Port, 2x 1G/2.5G/5G/10G Ethernet Ports, 4x SFP+ Ports, 4x 25G SFP28 Ports, 2x 100G QSFP28 Ports, 2x USB Ports, 2x M.2 slots











Specifications

About this product

The MikroTik RDS2216 is a high-performance enterprise data server combining ultra-fast storage, high-bandwidth networking, and container-ready capabilities. With 20 U.2 NVMe slots, 100G connectivity, and a 16-core ARM CPU backed by 32GB RAM, it delivers reliable, secure, and scalable infrastructure for demanding workloads in South African businesses.

Overview Summary:

The MikroTik RDS2216 is a powerful enterprise data server built for organizations that need high-speed networking, secure storage, and container-ready performance. With 20 NVMe slots, 100G connectivity, and a 16-core ARM CPU backed by 32GB RAM, it delivers unmatched speed, reliability, and efficiency for demanding workloads. Designed for businesses in South Africa that want full ownership of their infrastructure, this server helps reduce reliance on the cloud while keeping your data secure. Shop now and take control of your storage and networking with enterprise-grade performance.

Performance tier: High-end enterprise

Uses: Data storage, virtualization, container hosting, enterprise networking, secure infrastructure

Overview:

ROSE Data Server RDS2216 for Enterprise Storage and Networking
The Rose Data Server (RDS2216) is a high-performance, all-in-one solution that combines ultra-fast storage, scalable networking, and container capabilities in a single platform. Built for enterprises that value control, security, and long-term sustainability, the RDS2216 helps you reduce reliance on third-party cloud services and take ownership of your infrastructure.

Description:

The RDS2216 delivers 20 U.2 NVMe storage slots, 100G networking capacity, and enterprise-grade processing power with a 16-core ARM CPU and 32GB DDR4 RAM. It supports RouterOS for advanced storage and networking management, is container-ready for applications like Nextcloud and MinIO, and includes dual hot-swappable power supplies for maximum uptime. This system offers unmatched speed, flexibility, and cost efficiency without recurring subscription fees.

Features:

Reasons to Choose RDS2216

- 20 U.2 NVMe slots providing ultra-fast storage density
- 2x 100G QSFP28 ports and 4x 25G SFP28 ports for high-bandwidth networking
- 4x SFP+ ports and 2x 10G Ethernet ports for versatile connectivity
- 16-core 2 GHz ARM CPU with 32GB DDR4 memory for demanding workloads
- Energy-efficient design that reduces heat output and lowers costs
- RouterOS support for modular storage, NVMe-TCP export, and encryption
- Container-ready to run MinIO, Nextcloud, Shinobi, Frigate, and more
- Dual hot-swappable power supplies for continuous availability

Secure and Scalable Infrastructure
With the RDS2216, businesses can move beyond external cloud dependencies and take full control of data. Whether for virtualization, storage-heavy tasks, or advanced networking, this server ensures security, scalability, and flexibility without hidden costs or restrictions.

Optimized for Performance and Reliability
The combination of 100-Gigabit connectivity, NVMe storage acceleration, and container support makes the RDS2216 suitable for enterprise environments where uptime, speed, and adaptability are critical. Its modular design allows future-proof scaling without disruptions.

Key Technical Details

- RouterOS License 6 with RouterOS V7 Operating System
- 32GB RAM and 128 MB internal storage
- 2x AC power inputs
- 1x Gigabit Ethernet port, 2x multi-speed Ethernet ports (1G/2.5G/5G/10G)
- 4x SFP+ 10G ports, 4x 25G SFP28 ports, 2x 100G QSFP28 ports
- 2x USB ports and 2x M.2 slots for expansion

Final Word
The MikroTik RDS2216 is more than a server-it's a complete enterprise platform for data storage, networking, and containerized applications. No subscriptions, no paywalls-just reliable performance and ownership that lasts.

FAQ

Is the RDS2216 suitable for virtualization and containers?

Yes, it is container-ready and supports applications like Nextcloud, MinIO, Shinobi, and Frigate.

How many NVMe drives can it hold?

It has 20 U.2 NVMe slots for high-speed storage.

Does it support high-speed networking?

Yes, it features 2x 100G QSFP28 ports, 4x 25G SFP28 ports, 4x 10G SFP+ ports, and additional multi-speed Ethernet ports.

Can it run without cloud subscriptions?

Yes, all services run locally without recurring subscription fees.

What redundancy features are included?

Dual hot-swappable AC power supplies ensure continuous availability.

Specifications:

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Specifications	
Product Code	MT-RDS2216-2XG-4S+4XS-2XQ
Specifications	
Product code	RDS2216-2XG-4S+4XS-2XQ
Architecture	ARM 64bit
CPU	AL73400

CPU core count	16
CPU nominal frequency	2000 MHz
Switch chip model	98DX4310
Dimensions	476 x 443 x 44 mm
RouterOS license	6
Operating System	RouterOS v7 (Special ROSE edition)
Size of RAM	32 GB
Storage size	128 MB
Storage type	NAND
MTBF	Approximately 200'000 hours at 25C
Tested ambient temperature	-20degreesC to 50degreesC
IPsec hardware acceleration	Yes
Powering	
Number of AC inputs	2
AC input range	100-240
Frequency (Hz)	50-60
Max power consumption	286 W
Max power consumption without attachments	105 W
Cooling type	10 fans
Ethernet	
10/100/1000 Ethernet ports	1
Number of 1G/2.5G/5G/10G Ethernet ports	2
Fiber	
SFP+ ports	4
Number of 25G SFP28 ports	4
Number of 100G QSFP28 ports	2
Peripherals	
Serial console port	RJ45
Number of USB ports	2
USB Power Reset	Yes
USB slot type	USB 3.0 type A
Max USB current (A)	1
Number of M.2 slots	2
Other	
CPU temperature monitor	Yes

PCB temperature monitor	Yes
Voltage Monitor	Yes
Mode button	Yes
Certification & Approvals	
Certification	CE, EAC, ROHS
IP	20

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx.co.za/MT-RDS2216-2XG-4S-4XS-2XQ-MikroTik-RouterOS-Enterprise-Data-Server-p-330194.php

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