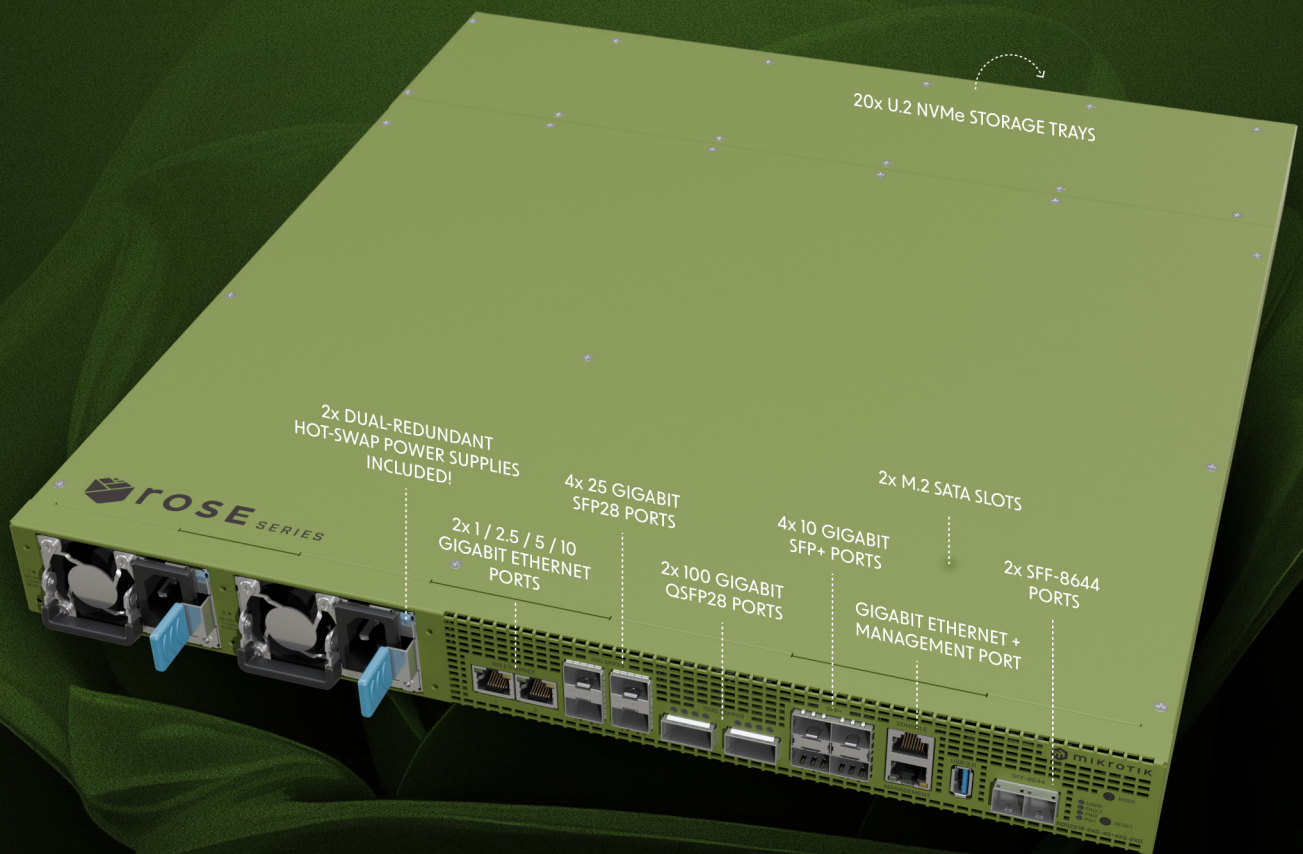




RouterOS enterprise Data Server (RDS2216-2XG-4S+4XS-2XQ)

a high-performance, all-in-one storage, networking, and container platform designed for enterprise environments.



“Traditional IT setups separate networking, storage, and compute, leading to inefficiencies, high costs, and increased power consumption. The RDS changes that.”

*Cloud services can spy on you. Algorithms decide what you see.
With RDS, you can host your own services, even social media!*



TAKE BACK CONTROL

Third parties control your data. Should they? Your business, your files, your future – handed over to external providers with unclear policies and unknown risks.

Stop relying on the cloud. Own your infrastructure.

Introducing the **Rose Data Server (RDS2216)** – a high-performance, all-in-one **storage, networking, and container** platform designed for enterprise environments. **Secure, scalable, and under your control.**



WANT TO LEARN MORE?



WHY CHOOSE RDS2216?

- **20 U.2 NVMe storage slots** – Ultra-fast, high-density storage for demanding workloads.
- **100G high-speed networking** – 2× 100G QSFP28 ports, 4× 25G SFP28 ports, 4× 10G SFP+ ports, 2× 10G Ethernet ports, and an extra SFF-8644 interface for flexible connectivity.
- **16-core 2 GHz ARM CPU + 32GB DDR4 RAM** – High-performance processing for networking, storage, and virtualization.
- **Massive energy savings** – Cut power consumption and heat output while maintaining high performance – an eco-friendly solution for data-heavy environments.
- **Runs RouterOS** – The most flexible, modular networking OS. Supports advanced storage capabilities, including exporting block devices over NVMe-TCP, encryption layers, and modular storage configurations for scalable infrastructure. No subscriptions. No paywalls.
- **Container & VM-ready** – Run MinIO, Nextcloud, Shinobi, Frigate, and other applications with ease. We've added two USB ports for additional devices and further adaptability.
- **Includes dual hot-swappable power supplies** – Ensuring uninterrupted operation and quick replacement without unnecessary downtime.

REAL-WORLD APPLICATIONS



Self-hosted MinIO cloud storage

– S3-compatible, ultra-fast, no vendor lock-in. Your cloud. Your terms. No hidden fees or security risks – just enterprise-grade object storage you control.



Enterprise cloud hosting

– Secure document storage with full **NextCloud** support. **Built-in BTRFS enterprise features** – snapshots, compression, and subvolume transfers – ensure efficiency, scalability, and data integrity. Give your employees peace of mind when they create, edit and share important documents!



High-speed backup & database clusters

– RAID, iSCSI, NVMe-TCP, and TCG-Opal self-encrypting drives ensure secure, high-performance storage. Designed for PostgreSQL, MariaDB, and mission-critical workloads with near-instant failover and future-proof scalability as NVMe technology advances.



Containerized infrastructure

– Run VMs, automate workloads, and build scalable systems. For memory-intensive applications, **built-in swap support** prevents out-of-memory failures, ensuring smooth performance even under heavy workloads.



Branch office storage expansion

– Branch office routers (like hAP ax2) can mount NFS, SMB, or NVMe-TCP storage—no need for local USB/SD storage. Need fine-tuned control? RouterOS lets you encrypt, format, and share storage over multiple protocols—modular and scalable, just like your network. This enables hundreds of routers to run containerized apps, store logs, and access shared data—without requiring local storage.



Auto-encrypting storage

– TCG-Opal self-encrypting drives for hardware-level security. When hardware encryption isn't an option, built-in block device encryption ensures data protection without performance trade-offs—effortless **GDPR compliance**.



Private social media hosting

– Host your own Pixelfed, Loops, or Matrix network. No tracking. No ads. No external interference—true digital independence. The world is moving local for a reason.

ONE DEVICE. ENDLESS POSSIBILITIES.

It's a breakthrough in flexible networking and storage for the most demanding enterprise environments. Reliable 100-Gigabit connectivity. Ultra-fast NVMe storage support. Containers. Enterprise-grade performance.

No subscriptions. No paywalls. Just pure, future-proof performance.

You buy it – you own it. **Forever.** That's a core **MikroTik** principle.



The smarter way to build
your infrastructure.



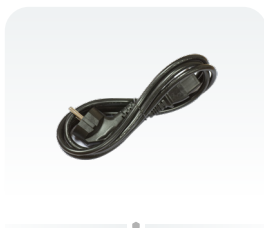
• Specifications

Product code	RDS2216-2XG-4S+4XS-2XQ
CPU	AL73400 16-Core 2000 MHz
CPU architecture	ARM 64bit
Size of RAM	32 GB
RAM type	DDR4
Storage	32 MB (Flash), 128 MB (NAND)
Number of 1G Ethernet ports	1
Number of 1G/2.5G/5G/10G Ethernet ports	2
Number of 10G SFP+ ports	4
Number of 25G SFP28 ports	4
Number of 100G QSFP28 ports	2
Number of M.2 SATA slots	2
U.2 support	20 PCIe gen3 trays
Additional connectivity	SFF-8644 interface
Max. supported U.2 size	7 mm
USB slot	2 (USB 3.0 Type A and USB 2.0 Type A)
Switch chip model	98DX4310
Operating system	RouterOS v7 only, License level 6
Dimensions	476 x 443 x 29 mm
Operating temperature	-20°C to +50°C

• Powering

Number of AC inputs	2 (dual-redundant hot-swap power supplies)
Nominal voltage	12 V
Nominal current	45 A
Max current	50 A
AC input range	100-240 V
Max power consumption (without attachments)	105 W
Max power consumption	286 W

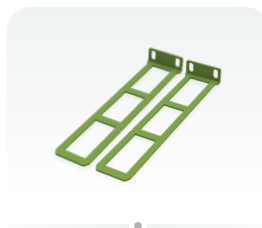
• Included parts



2 Power cords



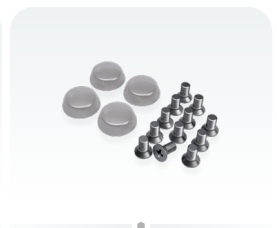
Rackmount ears



Rackmount rear support ears



Rackmount rear support ears



K-90 Fastening set