



MIKROTIK CRS804-4DDQ-HRM



link to the product: <https://www.batna24.com/gb/p/switches/mikrotik-crs804-4ddq-hrm>

Price: **4,538.70 zł** gross / 3,690.00 zł net



Manufacturer: MIKROTIK

Referention number: DNXGKJLNFRMMIQ

Information:

CRS804 DDQ is a high-performance 1U switch with four 400G QSFP56-DD ports, designed for AI and GPU clusters, storage systems and traffic aggregation in modern data centres. It delivers full wire-speed performance, low latency and high throughput without bottlenecks. Break-out support allows flexible port splitting down to 1G-200G, making integration with legacy infrastructure easier. Two hot-swap power supplies and fans improve reliability, while the 123 W power consumption helps reduce costs. RouterOS v7 provides advanced routing, traffic management and security capabilities.

Full product description

High network throughput thanks to four 400G QSFP56-DD ports

The CRS804 DDQ network switch in a 1U enclosure is a high-performance device designed for artificial intelligence clusters, storage systems and high-density traffic aggregation. The hardware eliminates bottlenecks in data transmission, offering total throughput at bus level with no latency. The device architecture ensures stable support for demanding computing processes in modern data centres.



Key advantages

- **Four 400G QSFP56-DD ports** – provide lightning-fast data exchange in computing clusters and backbone networks.
- **Marvell 98DX7335 processor** – guarantees wire-speed performance on all ports with no downtime.
- **Port break-out mode** – enables bandwidth splitting to speeds from 1G to 200G, adapting to legacy infrastructure.
- **Hot-swap redundant power supply** – two replaceable power sources protect the network against sudden failure and downtime.
- **Low power consumption of 123 W** – reduces infrastructure running costs even under full load with optical modules installed.
- **RouterOS v7 system** – offers advanced traffic management, advanced routing and full control over security.



Seamless support for AI and GPU clusters

The device provides a stable foundation for small and medium-sized artificial intelligence installations. The switch ensures predictable, low latency and smooth packet flow between GPU nodes and storage. Thanks to its compact design, this model is ideal for research laboratories and smaller server racks, where optimal use of space matters.



Powerful processor and large RAM

Inside the enclosure is a **quad-core ARM processor clocked at 2 GHz**, supported by **4 GB of DDR4 RAM**. This hardware configuration easily handles complex traffic filtering rules and network management. The user gains system stability even during sudden spikes in bandwidth demand.



Flexible integration with legacy infrastructure

Each 400G port consists of eight independent data lanes, allowing the bandwidth to be split into **2x 200G, 100G or 40G** connections. This solution protects financial investment by enabling gradual network modernisation without the need to replace the remaining devices immediately. Using the appropriate breakout cables, the switch works with any generations of SFP and QSFP modules.



Fast transmission for flash storage

The switch supports native 400G connections, which are ideal as high-speed uplinks for all-flash storage arrays. The ability to split ports makes it easier to build efficient data storage architectures. The device shortens the time needed to transfer huge data sets, directly speeding up work in media production and scientific research.



Business continuity thanks to hot-swap architecture

The device design focuses on uninterrupted operation and reduced maintenance downtime. **Two cooling fans** and power supplies support hot-swap technology, allowing them to be replaced while the switch is running. Dual power supply eliminates the risk of network shutdown in the event of failure of one of the electrical circuits.



Compact design for limited spaces

The device makes it possible to build an efficient 1U spine-leaf backbone network. The hardware eliminates problems associated with noise, excessive heat generation and high costs, which are typical of traditional 400G solutions. The switch perfectly complements the infrastructure of small corporate server rooms and distributed computing points at the edge of the network.

