



## MikroTik XQ+31LC10D | Moduł QSFP28 | DDM, 100Gb/s, SM, 10km, 1310nm, LC



link to the product:

<https://www.batna24.com/gb/p/sfp-modules/mikrotik-xq31lc10d-modul-qsfp28-ddm-100gb-s-sm-10km-1310nm-lc>

Price: **1,191.89 zł** gross / 969.02 zł net



Manufacturer: MIKROTIK

Referention number: DNXXGKKMKRMMKM

### Product features

|                                   |             |
|-----------------------------------|-------------|
| SFP transceiver type              | Fiber optic |
| CD-ROM interface type             | QSFP28      |
| Maximum data transfer rate        | 100000 Mb/s |
| Power consumption (typical)       | 4.5 W       |
| Maximum operating temperature     | 70 °C       |
| Operating temperature (T-T)       | 0 - 70 °C   |
| Minimum operating temperature     | 0 °C        |
| Fiber optic connector             | LC (UPC)    |
| Multi-mode fiber (MMF) supported  | No          |
| Single-mode fiber (SMF) supported | Yes         |
| Wavelength                        | 1309 nm     |
| Maximum transfer distance         | 10000 m     |

### Full product description

#### 100G performance with MikroTik XQ 31LC10D modules

The **QSFP28 XQ 31LC10D** optical module, designed for MikroTik's **CCR2216**, **CRS504** and **CRS518** series, is an effective infrastructure extension. It enables **100 Gigabit** per second (Gbps) connections over distances of **up to 10 kilometers**, which is ideal for expanding major network nodes, inter-city connections and providing high bandwidth in data centers. It not only provides a significant increase in bandwidth, but also the reliability needed for continuous operation of optical networks.

This optical module features an architecture of four independent channels, each capable of transmitting data at up to 25 Gbps. A total throughput of 100 Gbps in full-duplex mode guarantees high performance for demanding network applications. It uses single-mode (SM) fiber and is equipped with a Dual LC UPC connector to ensure compatibility with existing installations.

## Intelligent Diagnostics and Proactive Network Management

To ensure maximum stability and control over the network, the module is equipped with **advanced Digital Diagnostic Monitoring (DDM) functions**. These enable real-time tracking of key operational parameters such as:

- Signal optical power
- Transceiver supply voltage
- Operating temperature
- Laser polarization current

Monitoring this data is invaluable for diagnostics, allowing quick detection of anomalies and alerting the user when configurable operating limits are exceeded. This allows ISPs to make informed decisions about expansion planning, maintenance forecasting and minimizing the risk of unplanned downtime, optimizing the performance and lifetime of the entire network infrastructure.