

## XQ+31LC10D

QSFP28 module for impressive distances up to 10 km!



### The MikroTik 100 Gigabit product line keeps growing!

Add this QSFP module for distances up to 10 kilometers to your CCR2216, CRS504 or CRS518 setups and enjoy real speed and ultimate reliability. This optical module offers four independent full-duplex channels with up to 25 Gbps per channel bandwidth and an aggregate bandwidth of 100 Gbps.

The module has built-in digital diagnostic functions such as optical power, transceiver supply voltage, temperature, laser bias current monitoring, and other key parameter monitoring. These options can be helpful not only to alert the user during abnormal transceiver activity but also if specific customizable operating limits are exceeded. Monitoring allows you to plan ahead, make informed decisions and predict necessary upgrades or maintenance based on the transceiver performance.

#### • Specifications

|                       |                           |
|-----------------------|---------------------------|
| Product code          | XQ+31LC10D                |
| Connector             | LC                        |
| Data rate             | 100G                      |
| Distance              | 10km                      |
| Format                | QSFP28                    |
| Mode                  | SM                        |
| Wavelength            | 1296, 1300, 1305, 1309 nm |
| Max power consumption | 4.5W                      |
| Temperature           | 0°C .. +70°C              |

| Optical characteristics        | Min.     | Max.     |
|--------------------------------|----------|----------|
| <b>Transmitter</b>             |          |          |
| Output optical power (Avg.)    | -4.3 dBm | 4.5 dBm  |
| <b>Receiver</b>                |          |          |
| Rx sensitivity (Avg.)          |          | -8.6 dBm |
| Max input optical power (Avg.) | 4.5 dBm  |          |
| LOS de-assert(Avg.)            |          | -12 dBm  |
| LOS assert (Avg.)              | -25 dBm  |          |