



Applications

- Data Center Network

Features

- Supports 103/112 Gbps aggregate bit rates
- Single 3.3 V Power Supply and Industry Lowest Power dissipation
- Hot-Pluggable QSFP Footprint
- Class 1 FDA and IEC60825-1 Laser Safety Compliant
- 100G Single Lambda MSA QSFP28 100G-LR/ER Specification Compliant
- I2C interface with integrated Digital Diagnostic Monitoring
- LC connector
- Operating Case Temperature Range 0°C to 70°C
- RoHS compliant

Description

XenOpt's BIDI QSFP28 transceiver module is used for 100G Ethernet application in Data Centers, High-speed interconnects within and between switches, routers and transport equipment, Server-Server Clusters, Super-computing interconnections. Only one fiber is used in a link.

XQB239-10LY/XQB329-10LY – BIDI QSFP28 LR 100G

XQB239-10LY/XQB329-10LY BIDI QSFP28 LR 100G single fiber optical transceiver modules are designed for use in 100 Gigabit Ethernet links over 10 km single mode fiber. The module incorporates one channel optical signal and operates on 1271 nm and 1331 nm wavelength. It's Compliant with the QSFP28 MSA. Digital diagnostics functions are available via the I2C interface, as specified by the QSFP28 MSA.

XQB139-20LY/XQB319-20LY – BIDI QSFP28 eLR 100G

XQB139-10LY/XQB319-10LY BIDI QSFP28 eLR 100G single fiber optical transceiver modules are designed for use in 100 Gigabit Ethernet links over 20 km single mode fiber. The module incorporates one channel optical signal and operates on 1291 nm and 1311nm wavelength. It's Compliant with the QSFP28 MSA. Digital diagnostics functions are available via the I2C interface, as specified by the QSFP28 MSA.

XQB499-40LY/XQB949-40LY – BIDI QSFP28 ER 100G

XQB499-40LY/XQB949-40LY BIDI QSFP28 ER 100G single fiber optical transceiver modules are designed for use in 100 Gigabit Ethernet links over 40 km single mode fiber. The module incorporates one channel optical signal and operates on 1304 nm and 1309 nm wavelength. Compliant with the QSFP28 MSA. Digital diagnostics functions are available via the I2C interface, as specified by the QSFP28 MSA.

Ordering information¹

Part number	Product Description
XQB239-10LY	QSFP28 LR BIDI, 1271/1331 nm, SMF, 100G, 10 km, LC, 0°C~70°C, DDMI
XQB329-10LY	QSFP28 LR BIDI, 1331/1271 nm, SMF, 100G, 10 km, LC, 0°C~70°C, DDMI
XQB139-20LY	QSFP28 eLR BIDI, 1291/1311 nm, SMF, 100G, 20 km, LC, 0°C~70°C, DDMI
XQB319-20LY	QSFP28 eLR BIDI, 1311/1291 nm, SMF, 100G, 20 km, LC, 0°C~70°C, DDMI
XQB499-40LY	QSFP28 ER BIDI, 1304.58/1309.14 nm, SMF, 100G, 40 km, LC, 0°C~70°C, DDMI
XQB949-40LY	QSFP28 ER BIDI, 1309.14/1304.58 nm, SMF, 100G, 40 km, LC, 0°C~70°C, DDMI

Notes

¹ For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice. XenOpt does not guarantee errorless or outdated information.

Please specify any compatibility requirements at time of ordering. Standard MSA compatible pluggable components may not work or some function of these components may not be available in devices that require customized compatible devices. Pluggable components compatible with one type of communications equipment may not work in other type of communications equipment.

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by XenOpt before they become applicable to any particular order or contract. In accordance with the XenOpt policy of continuous improvement specifications may change without notice.

The product image is only for reference purpose

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