

PRODUCT DETAILS

Eoptolink's 100G BIDI 20km QSFP-28 Optical Transceiver



EOLQ-BI161HG-20-BC/CB6

Single-Mode, 100G QSFP28
With LC interface

Product Description

Eoptolink's Single Lambda QSFP28 BIDI transceiver module is designed for use in 100 Gigabit Ethernet links over 20km single mode fiber. The module incorporates 1 channel optical signal, operating at 100Gbps data rate. This module can convert 4 channels of 25Gbps (NRZ) electrical input data to 1 channel of 100Gbps (PAM4) optical signal, and also can convert 1 channel of 100Gbps (PAM4) optical signal to 4 channels of 25Gbps (NRZ) electrical output data. The electrical interface of the module is compliant with the OIF CEI-28G-VSR and QSFP28 MSA.

Features

- Supports 100Gbps
- 100G Lambda MSA 100G-LR1-20 Specification Compliant
- Single 3.3V Power Supply
- Power Dissipation < 4.5W
- Up to 20km over SMF with inbuild KP4 FEC
- QSFP28 MSA Compliant
- SFF-8636 Rev 2.10a Compliant
- 4x25G Electrical Interface
- BIDI LC receptacles
- Commercial Case Temperature Range of 0°C to 70°C
- I2C Interface with Integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA*1
- RoHS Compliant

Applications

- 100G Ethernet
- Data center



Ordering Information

Part No.	Data Rate	Wavelength (Tx)	Fiber	Distance*2	Latch Color	Interface	Temp.
EOLQ-BI161HG-20-BC6	100Gbps	1291nm	SMF	20km	Purple	LC	0~+70°C
EOLQ-BI161HG-20-CB6	100Gbps	1311nm	SMF	20km	Red	LC	0~+70°C

*1: For the latest certification information, please check with Eoptolink.

*2: Over G.652 SMF.

Quality

Eoptolink Technology has passed many quality system verifications, established an internationally standardized quality assurance system and strictly implemented standardized management and control in the course of design, development, production, installation and service. For latest certification/accreditation numbers, please, contact us.



Notice

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