

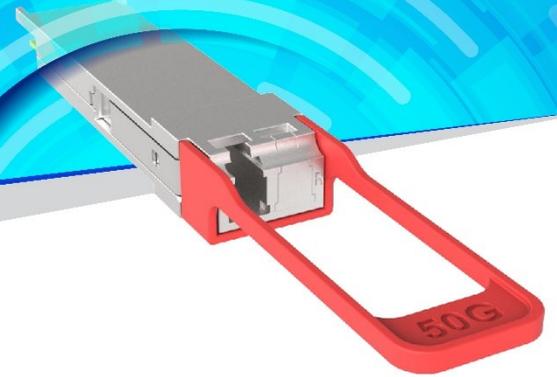
PRODUCT DETAILS

Eoptolink's 50G PAM4 BIDI 10km QSFP28 Optical Transceiver



EOLQ-BI1650G-10-XXL Series

Single-Mode, 50G-LR QSFP28
With LC interface



Product Description

Eoptolink's QSFP28 50G PAM4 BIDI LR transceiver module is designed for use in 50 Gigabit Ethernet links over 10km single mode fiber. This module converts 2 channels of 26.5625Gbps (NRZ) electrical input data to 1 channel of 53.125Gbps (PAM4) optical signal. The optical transmitter and receiver interface of the module is compliant with the IEEE802.3cn, IEEE802.3cd and IEEE802.3cp. The electrical interface of the module is compliant with the OIF CEI-28G-VSR and digital diagnostic interface compliant with QSFP28 MSA.

Features

- Up to 10Km over SMF with KP4 FEC supported at the Host side
- BIDI LC connector
- 2x26.5625Gbps electrical interface
- PIN and TIA on the receiver side
- Power dissipation < 3.5W
- I²C interface with integrated Digital Diagnostic Monitoring
- Commercial case temperature range: 0°C to 70°C

- Safety Certification: TUV/UL/FDA*¹
- RoHS Compliant

Applications

- 50G Ethernet

Ordering Information



Part No.	Data Rate	Wavelength (Tx)	Distance	Interface	Temp.	DDMI
EOLQ-BI1650G-10-ADL	53.125Gbps	1271nm	10km	LC	0~+70°C	Yes
EOLQ-BI1650G-10-DAL	53.125Gbps	1331nm	10km	LC	0~+70°C	Yes

*1: For the latest certification information, please check with Eoptolink.
*The product image is only for reference purpose.

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

Eoptolink reserves the right to make changes or discontinue any optical link product or service identified in this publication, without notice, in order to improve design and/or performance. Applications that are described herein for any of the optical link products are for illustrative purposes only. Eoptolink makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

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