

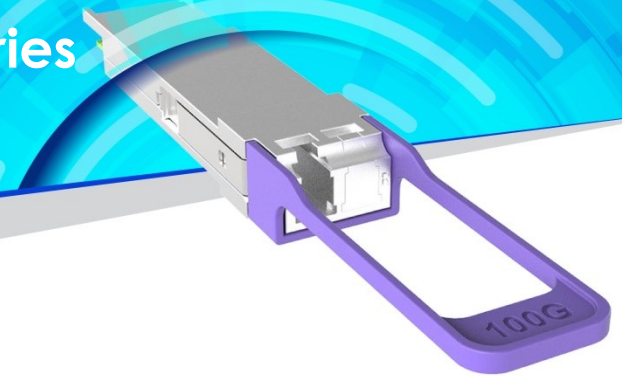
PRODUCT DETAILS

Eoptolink's 100G BIDI 10km QSFP-28 Optical Transceiver



EOLQ-BI161HG-10-AD/DA6 Series

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 10km 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-LR Specification Compliant
- Single 3.3V Power Supply
- Power Dissipation < 4.5W
- Up to 10km over SMF with 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 | Wavelen (Tx) | Fiber | Distance * ₂ | Latch Color | Interfa ce | Temp. |
|---------------------|-----------|-----------------|-------|----------------------------|----------------|---------------|---------|
| EOLQ-BI161HG-10-AD6 | 100Gbps | 1271nm | SMF | 10km | Purple | LC | 0~+70°C |
| EOLQ-BI161HG-10-DA6 | 100Gbps | 1331nm | SMF | 10km | Red | LC | 0~+70°C |

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

*2: Over G.652 SMF.

*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

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Eoptolink Technology Inc., Ltd.

Add: No.127 West Wulian Street, Shuangliu District, Chengdu City 610213, P.R.China.

Tel: +86-028-6708 7983 (HQ); +86-028-6708 7999

Fax: +86-028-6708 7979

Email: sales@eoptolink.com

<http://www.eoptolink.com/>