

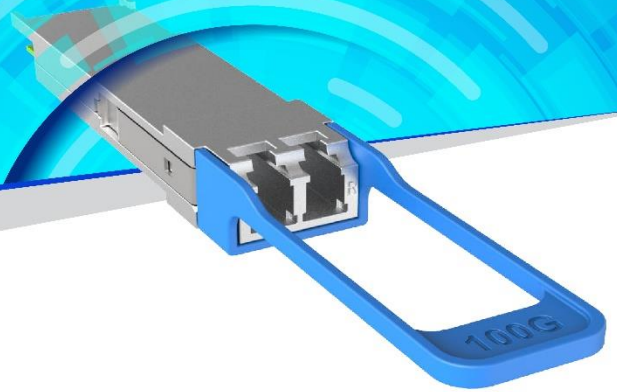
PRODUCT DETAILS

Eoptolink's 100G 10km QSFP28 Optical Transceiver



EOLQ-161HG-10-L

Single-Mode, 100G-LR4 QSFP28
With LC interface



Product Description

Eoptolink's EOLQ-161HG-10-L 100Gbps QSFP28 transceiver module is designed for optical communication applications in 100 Gigabit Ethernet links over 10km single mode fiber. This product converts 4 channels of 25Gbps (NRZ) electrical input data to 4 channels of 25Gbps (NRZ) LAN-WDM optical signals. Reversely, on the receiver side, 4 channels of LAN-WDM optical signals of 25Gbps (NRZ) converts to 4 channels of 25Gbps (NRZ) electrical output data. The central wavelengths of 4 channels are members of the frequency grid for 100 GHz spacing and above defined in ITU-T G.694.1 and are spaced at 800 GHz. And per channel operating at 25Gbps. The electrical interface of the module is compliant with the CAUI-4 interface as defined by IEEE 802.3bm, and the form factor, optical/electrical connection and digital diagnostic interface compliant with QSFP28 MSA.

Features

- Supports 103Gbps
- Single 3.3V Power Supply and Power dissipation < 3.5W
- Up to 10km over SMF
- Commercial case temperature range of 0°C to 70°C
- 4*25Gbps DFB-based LAN-WDM transmitter
- PIN and TIA array on the receiver side
- 4x25G electrical interface
- Duplex LC receptacles
- I²C interface with integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA*¹
- RoHS Compliant

Applications

- 100GBASE-LR4 100G Ethernet



Ordering Information

| Part No. | Data Rate | Fiber | Distance* ² | Interface | Temp. | DDMI |
|-----------------|-----------|-------|------------------------|-----------|---------|------|
| EOLQ-161HG-10-L | 103Gbps | SMF | 10km | LC | 0~+70°C | Yes |

*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

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.

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/>