

PRODUCT DETAILS

Eoptolink's 100G 10km QSFP28 Optical Transceiver



EOLQ-161HG-10-LB

Single-Mode, 100G-LR4 QSFP28

Single-Mode, OTU4 411-9D1F QSFP28

With LC interface



Product Description

Eoptolink's EOLQ-161HG-10-LB QSFP28 transceiver module is designed for 112 Gigabit Ethernet links over 10Km single mode fiber. This product converts 4 channels of 28Gbps/25Gbps (NRZ) electrical input data to 4 channels of 28Gbps/25Gbps (NRZ) LAN-WDM optical signals. Reversely, on the receiver side, 4 channels of LAN-WDM optical signals of 28Gbps/25Gbps (NRZ) converts to 4 channels of 28Gbps/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 28Gbps/25Gbps. The module is compliant with IEEE 802.3ba 100GBASE-LR4 and OTU4. Digital diagnostics functions are available via an I2C interface, as specified by the QSFP+ MSA.

Features

- Supports 103Gbps and 112Gbps
- Single 3.3V Power Supply and Power dissipation < 4W
- Up to 10km over SMF
- RoHS-6 compliant (lead-free)
- Commercial case temperature range of 0°C to 70°C
- Four 25Gbps/28Gbps DML LAN-WDM channels on transmitter side
- PIN and TIA array on the receiver side
- 4x25G/28G 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
- OTU4 411-9D1F



Ordering Information

Part No.	Data Rate	Fiber	Distance* ²	Interface	Temp.	DDMI
EOLQ-161HG-10-LB	112Gbps	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

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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/>