

PRODUCT DETAILS

Eoptolink's 100G 10km QSFP28 Optical Transceiver



EOLQ-161HG-10-LI

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



Product Description

Eoptolink's EOLQ-161HG-10-LI 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 < 5W
- Up to 10km over SMF
- Commercial case temperature range of -40°C to 85°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-LI	103Gbps	SMF	10km	LC	-40~+85°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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