

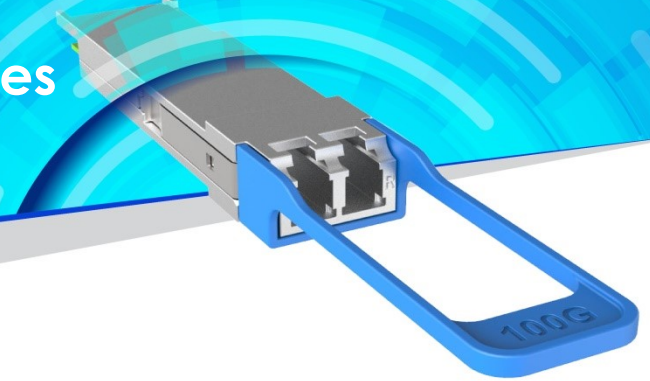
PRODUCT DETAILS

Eoptolink's 100G DWDM QSFP28 Optical Transceiver



EOLQ-161HG-O-25-XXX5S Series

Single-Mode, 100G QSFP28, O-Band
With LC interface



Product Description

The EOLQ-161HG-O-25-XXX5S series single mode transceiver module is designed for multiple channel 100GbE transmissions for up to 25km distance over standard G.652 single mode optical fibers (SMF). The transmitter side converts the multi-lane host electrical signals to a single-lane PAM4 optical signal. The module's optical interface utilizes a single wavelength in the O-band with wavelengths aligned to the LAN-WDM grid with 200GHz channel spacing. The module is Laser Class 1 compliant according to International Safety Standard IEC-60825. The receiver section uses a wideband APD detector and is WDM channel independent. Digital diagnostics functions are available via the I2C interface as specified by QSFP28 MSA specification SFF-8636.

Features

- Single-lambda 100Gbps transmission
- O-band DWDM with 200GHz channel spacing
- Aligned to 800GHz spacing LAN-WDM grid
- Up to 25km over G.652 SMF
- Duplex LC connector
- PAM4 optical signal with integrated FEC
- 4x25.78Gbps CAUI-4 host interface
- Compliant with QSFP28 MSA SFF-8636
- QSFP28 MSA digital monitoring functions

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

Applications

- 100GbE multiple channel transmissions using O-band DWDM wavelengths



Ordering Information

Part No.	Data Rate	Fiber	Receiver	Interface	Temp.	DDMI
EOLQ-161HG-O-25-XXX5S* ²	100Gbps	SMF	APD	LC	0~+70°C	Yes

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

*2: XXX refers to O-Band DWDM Wavelength range as CW-WDM MSA specified, please refer the following table for detailed center wavelength information.

*The product image is only for reference purpose.

XX-Channel refers to the following table

Lane	Part NO.	Frequency (THz)	Center Wavelength (nm)
L-4	EOLQ-161HG-O-25-CCD5S	231.4	1295.56
L-3	EOLQ-161HG-O-25-CCE5S	231.2	1296.68
L-2	EOLQ-161HG-O-25-CCF5S	231.0	1297.80
L-1	EOLQ-161HG-O-25-CCG5S	230.8	1298.93
L0	EOLQ-161HG-O-25-CCH5S	230.6	1300.05
L1	EOLQ-161HG-O-25-CCI5S	230.4	1301.18
L2	EOLQ-161HG-O-25-CCJ5S	230.2	1302.31
L3	EOLQ-161HG-O-25-CCK5S	230.0	1303.45
L4	EOLQ-161HG-O-25-CCL5S	229.8	1304.58
L5	EOLQ-161HG-O-25-CCM5S	229.6	1305.72
L6	EOLQ-161HG-O-25-CCN5S	229.4	1306.85
L7	EOLQ-161HG-O-25-CCP5S	229.2	1308.00
L8	EOLQ-161HG-O-25-CCQ5S	229.0	1309.14
L9	EOLQ-161HG-O-25-CCR5S	228.8	1310.28
L10	EOLQ-161HG-O-25-CCS5S	228.6	1311.43
L11	EOLQ-161HG-O-25-CCT5S	228.4	1312.58

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/>