

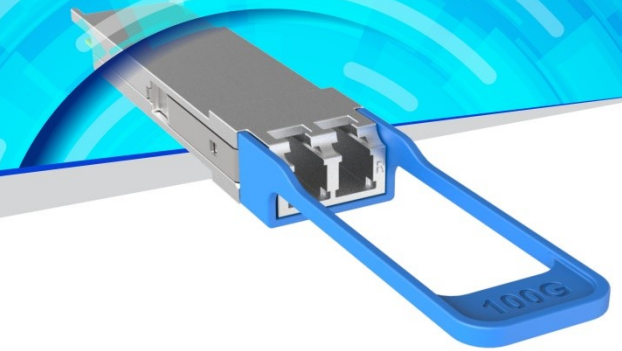
PRODUCT DETAILS

Eoptolink's 100G CWDM 10km QSFP28 Optical Transceiver



EOLQ-161HG-O-10-X6 Series

Single-Mode, 100G QSFP28
With LC interface



Product Description

Eoptolink's CWDM Single Lambda QSFP28 transceiver module is designed for use in 100 Gigabit Ethernet links over 10km single mode fiber. The module incorporates one channel optical signal, on 1271, 1291, 1311 or 1331nm center wavelength, operating at 100Gpbs 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 2km over SMF with FEC
- QSFP28 MSA Compliant
- SFF-8636 Rev 2.10a Compliant
- 4x25G Electrical Interface
- LC Duplex Connector
- 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 | Fiber | Distance* ³ | Interface | Temp. |
|----------------------------------|-----------|-------|------------------------|-----------|---------|
| EOLQ-161HG-O-10-X6* ² | 100Gbps | SMF | 10km | LC | 0~+70°C |

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

*2: Standard version. X refers to CWDM wavelength range 1271nm to 1331nm, please refer to the following table for detailed part number and center wavelength information.

*3: Over SMF.

*The product image is only for reference purpose.

CWDM*⁴ Wavelength

| Band | Nomenclature | Part Number | Wavelength(nm) | | |
|--------------------|--------------|--------------------|----------------|---------|--------|
| | | | Min. | Typical | Max. |
| O-band Original | A | EOLQ-161HG-O-10-A6 | 1264.5 | 1271 | 1277.5 |
| | B | EOLQ-161HG-O-10-B6 | 1284.5 | 1291 | 1297.5 |
| | C | EOLQ-161HG-O-10-C6 | 1304.5 | 1311 | 1317.5 |
| | D | EOLQ-161HG-O-10-D6 | 1324.5 | 1331 | 1337.5 |

*4: 4 Wavelengths from 1271nm to 1331nm, each step 20nm. Please contact Eoptolink to confirm whether the wavelength is available.

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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