

PRODUCT DETAILS

Eoptolink's 400G 10km QSFP-DD Optical Transceiver



EOLD-164HG-10-XX

Single-Mode, 400G-LR4 QSFP-DD
With Duplex LC interface

Product Description

Eoptolink's QSFP-DD 400Gbps transceiver module is designed for optical communication applications in 400 Gigabit Ethernet links over 10km single mode fiber. This product converts 8 channels of 50Gbps (PAM4) electrical input data to 4 channels of 100Gbps (PAM4) CWDM optical signals. Reversely, on the receiver side, 4 channels of CWDM optical signals of 100Gbps (PAM4) converts to 8 channels of 50Gbps (PAM4) electrical output data. The central wavelengths of 4 channels are the ITU G.694.2 CWDM grid near 1300nm, and per channel operating at 100Gbps. The electrical interface of the module is compliant with the 400GAUI-8 interface as defined by IEEE 802.3bs, and the form factor, optical/electrical connection and digital diagnostic interface compliant with QSFP-DD MSA.

Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Power dissipation < 8W
- Up to 10km over SMF
- RoHS compliant
- QSFP-DD MSA Compliant
- 8x53.125Gbps (PAM4) electrical interface
- Duplex LC connector
- Commercial case temperature range of 0°C to 70°C
- Driver and TIA integrated in the DSP at transmitter and receiver side
- I²C interface with integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA*1

Applications

- 400G-LR4 applications
- Data center
- Infiniband interconnects



Ordering Information

| Part No. | Data Rate | Fiber | Distance*2 | Interface | Temp. | DDMI | CMIS |
|--------------------|-----------|-------|------------|-----------|---------|------|-----------|
| EOLD-164HG-10-XX*1 | 425Gbps | SMF | 10km | LC | 0~+70°C | Yes | CMIS4.0*3 |

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

*2: Over G.652 SMF.

*3: CMIS4.0 or later version.

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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