

PRODUCT DETAILS

Eoptolink's 400G 2km QSFP-DD Optical Transceiver



EOLD-164HG-02-XX

Single-Mode, 400G-FR4 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 2km 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 2km 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-FR4 applications
- Data center
- Infiniband interconnects



Ordering Information

Part No.	Data Rate	Fiber	Distance ^{*2}	Interface	Temp.	DDMI	CMIS
EOLD-164HG-02-XX ^{*1}	425Gbps	SMF	2km	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

Eoptolink reserves the right to make changes or discontinue any optical link product or service identified in this publication, without notice, in order to improve design and/or performance. Applications that are described herein for any of the optical link products are for illustrative purposes only. Eoptolink makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

Eoptolink Technology Inc., Ltd.

USA Add: 3191 Laurelview Court Fremont, CA 94538.

Thailand Add: 390/21 Moo 2, Khao Khan Song Sub-district, Sriracha District, Chonburi Province, Thailand, 20110.

China Add: No.127 West Wulian Street, Shuangliu District, Chengdu City 610213, P.R.China.

Email: sales@eoptolink.com

<http://www.eoptolink.com/>