

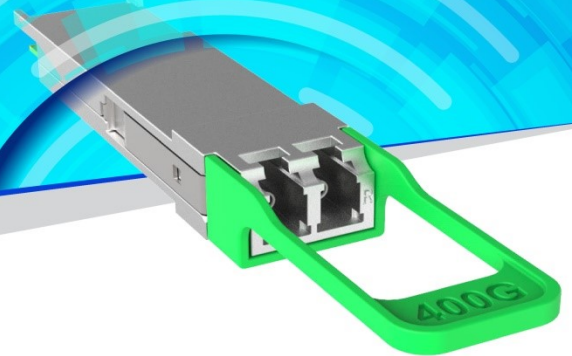
## PRODUCT DETAILS

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



# EOLD-164HG-02-X6 Series

Single-Mode, 400G-FR4, QSFP-DD  
With LC interface



## Product Description

Eoptolink's QSFP-DD 4\*100Gbps 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 < 10W
- 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
- PIN and TIA array on the receiver side
- I<sup>2</sup>C interface with integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA\*<sup>1</sup>

## Applications

- 400G-FR4 applications
- Data center
- Enterprise networking
- Infiniband interconnects

## Ordering Information



Part No.	Data Rate	Fiber	Distance* <sup>2</sup>	Interface	Temp.	DDMI	CMIS
EOLD-164HG-02-6	425Gbps	SMF	2km	LC	0~+70°C	Yes	CMIS3.0
EOLD-164HG-02-46	425Gbps	SMF	2km	LC	0~+70°C	Yes	CMIS4.0* <sup>3</sup>

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

\*2: Over G.652 SMF.

\*3: CMIS4.0 or later version.

\*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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