

## PRODUCT DETAILS

Eoptolink's QSFP-DD800 2×FR4 Optical Transceiver



# EOLD-168HG-02-C

800G, 2×400G QSFP-DD  
With Dual CS interface



## Product Description

Eoptolink's QSFP-DD transceiver module is designed for use in 800 Gigabit Ethernet links over 2Km single mode fiber. The module has 8 independent electrical input/output channels operating up to 106.25Gbps per channel. This transceiver consists of two transmitter/receiver units, with each operating on a set of 4 wavelengths on the ITU G.694.2 CWDM grid near 1300nm. The transmitter path of the module incorporates a bi-directional PAM4 re-timer ASIC integrated with an 8-channels modulator driver, 8 externally modulated lasers and two optical multiplexers. On the receiver path, two optical de-multiplexers are coupled to 8 photodiodes and two 4-channel TIA arrays, along with the PAM4 re-timer. The electrical interface of the module is compliant with the 800GAUI-8 interface as defined by IEEE 802.3ck, and compliant with QSFP-DD MSA.

## Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Up to 2km over SMF with KP4 FEC supported at the Host side
- Dual SMF CS connector
- 8x106.25Gbps (PAM4) electrical interface
- PIN and TIA array on the receiver side
- Power dissipation < 16W
- Case temperature range: 0°C to 70°C(commercial)
- Safety Certification: TUV/UL/FDA\*1
- RoHS Compliant

## Applications\*1

- 1x800G Ethernet
- 2x400G Ethernet
- 2x200G Ethernet



## Ordering Information

Part No.	Data Rate	Fiber	Distance*2	Interface	Temp.	DDMI	CMIS
EOLD-168HG-02-C	850Gbps	SMF	2km	Dual CS	0~70°C	Yes	CMIS5.0*3

\*1: For the latest certification information and more application details, please contact with Eoptolink.

\*2: Over G.652 SMF.

\*3: CMIS5.0 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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## 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/>