

PRODUCT DETAILS

Eoptolink's 800G 2xFR4 OSFP Optical Transceiver



EOLO-168HG-02-1

800G, 2x400G, OSFP

With Dual Duplex LC interface

Product Description

Eoptolink's OSFP 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 OSFP MSA.

Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Up to 2km over SMF with KP4 FEC supported at the Host side
- Dual duplex LC 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
EOLO-168HG-02-1	850Gbps	SMF	2km	Dual duplex LC	0~70°C	Yes	CMIS5.0*3

*1: For more details, please contact with Eoptolink.

*2: Over G.652 SMF.

*3: CMIS5.0 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.

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/>