

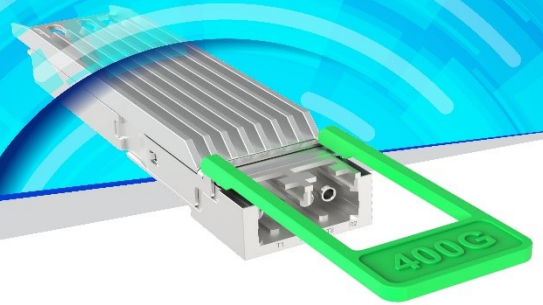
PRODUCT DETAILS

Eoptolink's 400G 2km OSFP Optical Transceiver



EOLO-164HG-E-02-S4

400G or 2x200G OSFP
With Dual SMF CS interface



Product Description

Eoptolink's OSFP transceiver module is designed for use in 400 Gigabit Ethernet links over 2Km single mode fiber. The module has 8 independent electrical input/output channels operating up to 53.125Gbps 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-channel 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 400GAUI-8 interface as defined by IEEE 802.3bs, and compliant with OSFP MSA.

Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Up to 2km over SMF with KP4 FEC supported at the Host side
- Dual SMF CS connector
- Triple Rate operation:
53.125Gbps (PAM4), 25.78125Gbps (NRZ)
- OSFP MSA compliant
- Cooled EML CWDM transmitter
- PIN and TIA array on the receiver side
- Power dissipation < 12W
- Case temperature range: 0°C to 70°C (commercial)
- Safety Certification: TUV/UL/FDA*¹
- RoHS Compliant

Applications

- 2x200G DC applications
- 200GBase-FR4

Ordering Information



Part No.	Data Rate	Fiber	Distance* ²	Interface	Temp.	DDMI	CMIS
EOLO-164HG-E-02-S4	425Gbps	SMF	2km	CS	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.

*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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