

PRODUCT DETAILS

Eoptolink's 400G OSFP Optical Transceiver



EOLO-854HG-E-02-MXX

Multi-Mode OSFP 400G

With MPO-16 interface

Product Description

Eoptolink's OSFP SR8 transceiver module is designed for use in 400 Gigabit Ethernet links over 70m OM3 or 100m OM4 fiber. The module has 8 independent electrical input/output channels operating at 53.125Gbps per channel. This transceiver consists of two transmitter/receiver units, with each operating on 850nm wavelength. The transmitter path of the module incorporates a PAM4 re-timer ASIC with two 4-channel modulator drivers and 8 modulated lasers. On the receiver path, it consists of 8 photodiodes and two 4-channel TIAs, 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
- Power Dissipation < 10W
- OSFP MSA Compliant
- 8x26.5625GBd (PAM4) Electrical Interface
- MPO-16 Connector APC
- Completely Independent 8 Channels to Support Break-out
- Case Temperature Range: 0°C to 70°C
- VCSEL Transmitter
- PIN and TIA Array on the Receiver Side

- I²C Interface with Integrated Digital Diagnostic Monitoring Safety
- Certification: TUV/UL/FDA*¹

Applications

- 1x400GbE
- 2x200GbE
- 4x100GbE
- 8x50GbE
- Optical 50G PAM-4 per Lane

Ordering Information



Part No.	Data Rate	Fiber	Distance	Interface	Temp.	CMIS
EOLO-854HG-E-02-MXX* ¹	425Gbps	OM3/OM4	70m/100m	MPO-16 APC	0~70°C	CMIS4.0* ²

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

*2: 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

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