EOLO-BI854HG-E-02-MXX

Multi-Mode OSFP 400G, 8x53.125G, BiDi
With MPO-12 interface

Product Description

Eoptolink's 400G OSFP SR4.2 transceiver module is designed for use in 400 Gigabit Ethernet links over 70m OM3, 100m OM4 or 150m OM5 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 Tx: 850nm & Rx: 908nm/Rx: 908nm & Tx: 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.
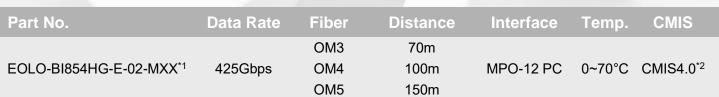
Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Power Dissipation < 11W
- 8x26.5625GBd (PAM4) Electrical Interface
- MPO-12 Connector PC
- 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]
- RoHS Compliant
- OSFP MSA Compliant

Applications

- 400G BiDi (SR4.2)
- Breakout with 100G BiDi (SR1.2)

Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	CMIS
EOLO-BI854HG-E-02-MXX[1]	425Gbps	OM3 OM4 OM5	70m 100m 150m	MPO-12 PC	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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