eoptolink®

EOLD-854HG-E-02-M451

Multi-Mode QSFP-DD 400G, 8×26.5625G
With MPO-16 interface
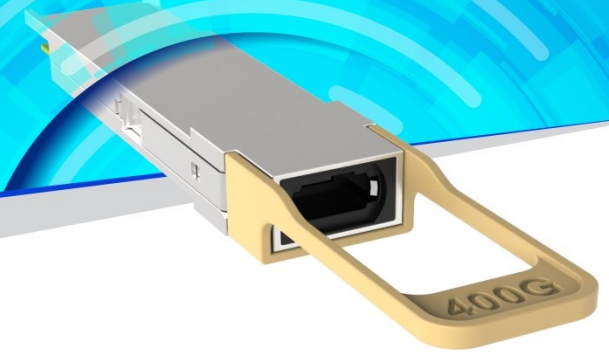
Product Description

Eoptolink's QSFP-DD 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 QSFP-DD MSA.

Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Power dissipation < 10W
- 8x26.5625GBd(PAM4) Electrical Interface
- Loopback not Supported
- MPO-16 Connector APC
- 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
- QSFP-DD MSA Compliant

Applications

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

Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	CMIS
EOLD-854HG-E-02-M451	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.
*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

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.

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