

PRODUCT DETAILS

Eoptolink's 400G QSFP-DD Optical Transceiver



EOLD-854HG-01-M46

Multi-Mode QSFP-DD 400G, 4x100G
With MPO-12 interface

Product Description

Eoptolink's QSFP-DD 400G VR4 transceiver module is designed for use in 400 Gigabit Ethernet links over 30m OM3 or 50m 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 a 4-channel modulator driver and 4 modulated lasers. On the receiver path, it consists of 4 photodiodes and a 4-channel TIA, 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 < 8W
- 8x26.5625GBd (PAM4) Electrical Interface
- MPO-12 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 and 4x100GbE,
Optical 100G PAM-4 per Lane



Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	CMIS
EOLD-854HG-01-M46	425Gbps	OM3 OM4	30m 50m	MPO-12 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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