

PRODUCT DETAILS

Eoptolink's 800G QSFP-DD Optical Transceiver



EOLD-BI858HG-01-D

Multi-Mode, QSFP-DD, 800G, 8x106.25G, BiDi

With MPO-12 interface

Product Description

Eoptolink's 800G QSFP-DD VR4.2 transceiver module is designed for use in 800 Gigabit Ethernet links over 30m OM3, 50m OM4 fiber. The module has 8 independent electrical input/output channels operating at 106.25Gbps 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 800GAUI-8 interface as defined by IEEE 802.3ck/df, and compliant with QSFP-DD MSA.

Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Power Dissipation <14W
- 8x53.125GBd(PAM4) Electrical Interface
- MPO-12 Connector APC
- Case Temperature Range: 15°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

- 800G BiDi (VR4.2)

Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	CMIS
EOLD-BI858HG-01-D	850Gbps	OM3 OM4	30m 50m	MPO-12 APC	15~70°C	CMIS5.1 ^{*2}

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

*2: CMIS5.1 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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Eoptolink Technology Inc., Ltd.

USA Add: 3191 Laurelview Court Fremont, CA 94538.

Thailand Add: 390/21 Moo 2, Khao Khan Song Sub-district, Sriracha District, Chonburi Province, Thailand, 20110.

China Add: No.127 West Wulian Street, Shuangliu District, Chengdu City 610213, P.R.China.

Email: sales@eoptolink.com

<http://www.eoptolink.com/>