PRODUCT DETAILS

Eoptolink's 800G QSFP-DD Optical Transceiver

EOLD-858HG-01-M

Multi-Mode,800G VR8, QSFP-DD
With MPO-16 interface

Product Description

Eoptolink's QSFP-DD 800G VR8 transceiver module is designed for use in 800 Gigabit Ethernet links over 50m OM4 and 30m OM3 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 850nm wavelengths. 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,and compliant with QSFP-DD MSA.

Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Power Dissipation <14W
- RoHS Compliant (Lead-free)
- QSFP-DD MSA Compliant
- 8x53.125GBd (PAM4)Electrical Interface
- MPO-16 Connector APC
- Commercial Case Temperature Range of 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

Applications*1

- 1x800GEthernet
- 2x400G Ethernet
- 4x200G Ethernet
- 8x100G Ethernet

Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	CMIS
EOLD-858HG-01-M	850Gbps	OM4/OM3	50m/30m	MPO-16 APC	0~70°C	CMIS4.0*2

*1: For more details, please contact 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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