

## PRODUCT DETAILS

Eoptolink's 800G VR8 OSFP Optical Transceiver



# EOLO-858HG-01-M

800GbE, 2x400GbE, 4x100GbE or 8x100GbE OSFP  
With MPO-16 interface, Flat Top

## Product Description

Eoptolink's OSFP 800G VR8 transceiver module is designed for use in 800 Gigabit Ethernet links over 30m OM3 or 50m OM4 fiber. The module has 8 independent electrical input/output channels operating up to 106.25Gbps 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 800GAUI-8 interface as defined by IEEE 802.3df, and compliant with OSFP MSA.

## Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Power dissipation < 15W
- 8x53.125GBd (PAM4) Electrical Interface
- MPO-16 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
- OSFP MSA Compliant

## Applications\*1

- 1x800GbE
- 2x400GbE
- 4x200GbE
- 8x100GbE



## Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	DDMI	Structure type	CMIS
EOLO-858HG-01-M	850Gbps	OM3 OM4	30m 50m	MPO-16 APC	Yes	Flat Top	CMIS5.0*2

\*1: For more details, please contact with Eoptolink.

\*2: CMIS5.0 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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