

PRODUCT DETAILS



Eoptolink's 800G OSFP DR8 Immersion cooled Optical Transceiver

EOLO-138HG-5H-XYMX

800G, 8×100G OSFP
With MPO-16 interface

Product Description

Eoptolink's OSFP 800G DR8 immersion cooled transceiver module is designed for use in 800 Gigabit Ethernet links over 500m single mode fiber and operates in a 2PIC (Two Phase Immersion Cooled) environment. The module includes eight parallel channels with a central wavelength of 1310nm, and the operating rate of each channel is 106.25Gbps. These 8-channel PAM4 parallel optical signals can be converted into 8-channel PAM4 electrical output signals; and there are 8 independent electrical input/output channels, which can convert PAM4 electrical input data into 8-channel PAM4 parallel optical signal. The electrical interface of the module is compliant with the 800GAUI-8 interface as defined by IEEE 802.3ck, and compliant with OSFP MSA.

Features

- 0 to 500m over SMF with KP4 FEC supported at the Host side
- MPO16 connector*2
- Support multi-rate operation
- Driver and TIA integrated in the DSP at transmitter and receiver side
- Power dissipation < 14.5W
- Case temperature range: 20°C to 60°C
- Safety Certification: TUV/UL/FDA*1
- RoHS Compliant

Applications*1

- 8x100G Ethernet
- 2x400G Ethernet
- 1x800G Ethernet
- 2x200G Ethernet



Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	DDMI	CMIS
EOLO-138HG-5H-XYMX*1	850Gbps	SMF	500m	MPO16*2	20~60°C*3	Yes	CMIS5.0*3

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

*2: MPO16 connector is used at the end of the fiber pigtail.

*3: 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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