

PRODUCT DETAILS

Eoptolink's 800G DR8 OSFP Optical Transceiver



EOLO-138HG-5H-SM

800G, 2x400G or 8x100G OSFP

With MPO-16 interface



Product Description

Eoptolink's OSFP transceiver module is designed for use in 800 Gigabit Ethernet links over 500m single mode 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 a set of wavelengths on the ITU G.694.2 CWDM grid at 1310nm. The transmitter path of the module incorporates a bi-directional PAM4 re-timer ASIC integrated with Silicon Photonics Laser and two 4-channel modulator driver. On the receiver path, used 8 photodiodes and two 4-channel TIA arrays, along with the PAM4 re-timer.

Features

- 0 to 500m over SMF with KP4 FEC supported at the Host side
- MPO-16 connector
- Triple Rate operation:
 - 106.25Gbps (PAM4)
 - 53.125Gbps (PAM4)
 - 26.5625Gbps (NRZ)
- Silicon Photonics 1310nm transmitter
- PIN and TIA array on the receiver side
- Power dissipation < 18W
- Case temperature range: 0°C to 70°C (commercial)
- 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*2	Interface	Temp.	DDMI	CMIS
EOLO-138HG-5H-SM	850Gbps	SMF	500m	MPO-16	0~70°C	Yes	CMIS5.0*3

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

*2: Over G.652 SMF.

*3: CMIS5.0 or later version.

*The product image is only for reference purpose.

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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