#### **PRODUCT DETAILS**

Eoptolink's 800G PLR8 OSFP Optical Transceiver

# eoptolink

## EOLO-138HG-10-SM

800G, 2×400G or 8×100G OSFP With MPO-16 interface

#### **Product Description**

Eoptolink's OSFP transceiver module is designed for use in 800 Gigabit Ethernet links over 10km 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.

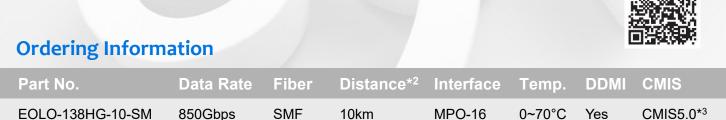
#### **Features**

- 0 to 10km 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</p>
- Case temperature range: 0°C to 70°C(commercial)

- Safety Certification: TUV/UL/FDA\*1
- RoHS Compliant

## Applications<sup>\*1</sup>

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



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

\*2: Over G.652 SMF.

\*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

Eoptolink reserves the right to make changes or discontinue any optical link product or service identified in this publication, without notice, in order to improve design and/or performance. Applications that are described herein for any of the optical link products are for illustrative purposes only. Eoptolink makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.

## Eoptolink Technology Inc., Ltd.

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

Tel: +86-028-6708 7983 (HQ); +86-028-6708 7999 Fax: +86-028-6708 7979 Email: sales@eoptolink.com <u>http://www.eoptolink.com/</u>

www.eoptolink.com