EOLO-138HG-PCT-XX-SL Series

Single-Mode, 800G, OSFP, LPO
With AOC interface

Product Description

Eoptolink's OSFP 800G LPO AOC is designed for use in 800 Gigabit Ethernet links up to 100m. Each of AOC modules consists of 8 independent electrical input/output channels which can converts 106.25Gbps (PAM4) electrical input data to 8 channels of 106.25Gbps (PAM4) parallel optical signals, and also converts 8 channels of parallel optical signals of 106.25Gbps (PAM4) for each channel into 8 channels of 106.25Gbps (PAM4) electrical output data. The module incorporates 8 parallel channels on 1310nm center wavelength, operating at 106.25G per channel. The electrical interface of the module is compliant with the 800GAUI-8 interface as defined by IEEE 802.3ck, and the form factor, optical/electrical connection and digital diagnostic interface compliant with OSFP MSA V4.0

Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Power Dissipation < 6W
- Up to 100m over SMF with KP4 FEC supported at the Host side
- OSFP MSA Compliant
- 8x53.125GBd (PAM4) Electrical Interface
- Commercial Case Temperature Range of 0°C to 70°C
- 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]

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

Ordering Information

Part No.	Data Rate	Fiber	Distance[3]	Temp.	DDMI	CMIS
EOLO-138HG-PCT-XX-SL[2]	850Gbps	SMF	Up to 100m	0~70°C	Yes	CMIS5.0[4]

*1: For more details, please contact with Eoptolink.
*2: XX denotes the AOC length with unit meter. For example, 03 denotes 3m, 07 denotes 7m … 30 denotes 30m, 1H denotes 100m.
*3: Over G.652 SMF.
*4: 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.

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