

PRODUCT DETAILS

Eoptolink's 800G Multi mode OSFP AOC Optical Transceiver

EOLO-8HG-PCT-XX Series

800G, OSFP

With AOC interface

Product Description

Eoptolink's OSFP AOC is designed for use in 800 Gigabit Ethernet links over 30m. Each of AOC modules has 8 independent electrical input/output channels operating at 106.25Gbps per channel. Each of AOC modules consists of two transmitter/receiver units. The transmitter path of the module incorporates a bi-directional PAM4 retimer ASIC integrated with two 4-channel drivers, 8 externally modulated laser. On the receiver path, 8 photodiodes and two 4-channel TIAs are used, along with a PAM4 retimer. The electrical interface of the module is compliant with the 800GAUI-8 interface and compliant with OSFP MSA.

Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Power Dissipation < 15W (Each End)
- Up to 30m over MMF
- 8x53.125GBd (PAM4) Electrical Interface
- Case Temperature Range of 15°C to 70°C
- VCSEL Transmitter
- PIN and TIA on the Receiver Side
- I2C interface with Integrated Digital Diagnostic Monitoring
- OSFP MSA Compliant

- Safety Certification: TUV/UL/FDA^{*1}
- RoHS Compliant (Lead-free)

Applications

- 8x100G Ethernet
- 2x400G Ethernet
- 1x800G Ethernet
- 4x200G Ethernet



Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	DDMI	CMIS
EOLO-8HG-PCT-XX ^{*2}	850Gbps	MMF	Up to 30m	AOC	15~70°C	Yes	CMIS5.0 ^{*3}

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

*2: XX=01, 03, 05, 07, 10, 15, 20, 30 denotes the AOC length with unit meter. For example, 01 denotes 1m, 03 denotes 3m ... 30 denotes 30m. Eight lengths above are the typical lengths which are suggested to choose.

*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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