

## PRODUCT DETAILS

Eoptolink's 800G Multi-mode QSFP-DD Optical Transceiver

# EOLD-8HG-PCT-XX Series

Multi-Mode, 800G, QSFP-DD  
With AOC interface



## Product Description

Eoptolink's QSFP-DD 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, along with the PAM4 re-timer. The electrical interface of the module is compliant with the 800GAUI-8 interface and compliant with QSFP-DD MSA.

## Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Power Dissipation <TBD W
- Up to 30m over MMF
- RoHS Compliant (Lead-free)
- QSFP-DD MSA Compliant
- 8x53.125GBd(PAM4) Electrical Interface
- Commercial Case Temperature Range of 0°C to 70°C
- VCSEL Transmitter
- PIN and TIA on the Receiver Side

- I2C interface with Integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA\*<sup>1</sup>
- RoHS Compliant

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

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



## Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	DDMI	CMIS
EOLD-8HG-PCT-XX* <sup>2</sup>	850Gbps	MMF	Up to 30m	AOC	0~70°C	Yes	CMIS5.0* <sup>3</sup>

\*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.

\*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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