eoptolink®

EOLD-8HG-PCT-XX Series

Multi-Mode, 800G, QSFP-DD

With AOC interface

Product Description

Eoptolink's QSFP-DD800 AOC is designed for use in 800 Gigabit Ethernet links over 30m MMF. 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 lasers. 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 as defined by IEEE 802.3ck, and compliant with QSFP-DD800 MSA.

Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Power Dissipation <15 W (each)
- Up to 30m over MMF
- RoHS Compliant (Lead-free)
- QSFP-DD800 MSA Compliant
- 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
- Safety Certification: TUV/UL/FDA[1]

Applications[1]

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

Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	Temp.	DDMI	CMIS
EOLD-8HG-PCT-XX[2]	850Gbps	MMF	Up to 30m	AOC	15~70℃	Yes	CMIS5.1[3]

*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: CMIS5.1 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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