

PRODUCT DETAILS

Eoptolink's 400G 1~30m QSFP-DD Active Optical Cable



EOLD-4HG-PCT-XX-451 Series

Multi-Mode, QSFP-DD 400G, 8x26.5625G

Product Description

Eoptolink's QSFP-DD AOC is designed for use in 400 Gigabit Ethernet links over 30m MMF. Each end of the AOC module has 8 independent electrical input/output channels operating at 53.125Gbps per channel. It consists of two transmitter/receiver units, with each operating on 850nm wavelength. The transmitter path of the module incorporates a PAM4 re-timer ASIC with two 4-channel modulator drivers and 8 modulated lasers. On the receiver path, it consists of 8 photodiodes and two 4-channel TIAs, along with the PAM4 re-timer. The electrical interface of the module is compliant with the 400GAUI-8 interface as defined by IEEE 802.3bs, and compliant with QSFP-DD MSA.

Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Power Dissipation < 10W
- Up to 30m over OM4
- RoHS Compliant (Lead-free)
- QSFP-DD MSA Compliant
- 8x26.5625GBd (PAM4) Electrical Interface
- Loopback not Supported
- Case Temperature Range: 0°C to 70°C
- VCSEL Transmitter
- I2C Interface with Integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA*1

Applications

- 1x400GbE, 2x200GbE, 4x100GbE, 8x50GbE, Optical 50G PAM-4 per Lane

Ordering Information



Part No.*2	Data Rate	Fiber	Distance	DDMI	Temp.	CMIS
EOLD-4HG-PCT-XX-451	425Gbps	MMF	1-30m	Yes	0~70°C	CMIS4.0*3

*1: For the latest certification information, 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.

*3: CMIS4.0 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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