

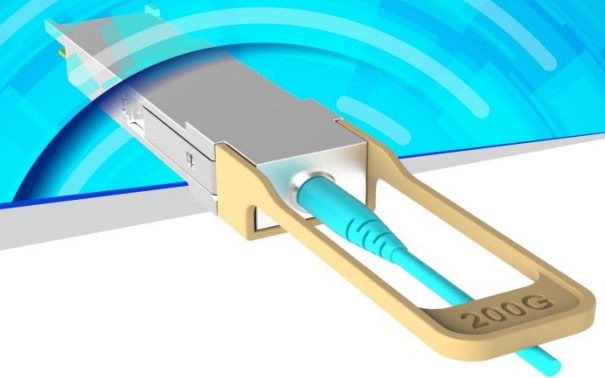
PRODUCT DETAILS

Eoptolink's 200G QSFP56 Optical Active Cable



EOLQ-2HG-PCT-XX Series

Multi-Mode, 200G, QSFP56, AOC



Product Description

Eoptolink's QSFP56 200G AOC module is designed for use in 200 Gigabit Ethernet links up to 30m multi-mode fiber length. The module has 4 independent electrical input/output channels operating at 53.125Gb/s per channel. This AOC consists a transmitter/receiver unit operating on four 850nm wavelength. The transmitter path of the module incorporates a bi-directional PAM4 re-timer ASIC integrated with a 4-channel modulator driver, 4 externally modulated lasers. On the receiver path, there are 4 photodiodes and one 4-channel linear TIA arrays, along with the PAM4 re-timer. The electrical interface of the module is compliant with the 200GAUI-4 interface as defined by IEEE 802.3bs.

Features

- Supports 212.5Gbps
- Single 3.3V power supply
- Power dissipation: commercial version (Each)< 5W
- 4x26.5625GBd (PAM4) electrical interface
- Commercial case temperature range of 0°C to 70°C
- VCSEL transmitter
- PIN and TIA array on the receiver side

- I²C interface with integrated Digital Diagnostic Monitoring
- Safety certification: TUV/UL/FDA*¹

Applications

- 200G QSFP56 AOC applications with FEC



Ordering Information

Part No.	Data Rate	Distance* ²	Temp.	DDMI
EOLQ-2HG-PCT-01	212.5Gbps	1m	0~70°C	Yes
EOLQ-2HG-PCT-03	212.5Gbps	3m	0~70°C	Yes
EOLQ-2HG-PCT-05	212.5Gbps	5m	0~70°C	Yes
EOLQ-2HG-PCT-07	212.5Gbps	7m	0~70°C	Yes
EOLQ-2HG-PCT-10	212.5Gbps	10m	0~70°C	Yes
EOLQ-2HG-PCT-15	212.5Gbps	15m	0~70°C	Yes
EOLQ-2HG-PCT-20	212.5Gbps	20m	0~70°C	Yes
EOLQ-2HG-PCT-30	212.5Gbps	30m	0~70°C	Yes

*1: For the latest certification information, please check with Eoptolink.

*2: Over MMF. Its structure is shown in the figure below.

*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

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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