

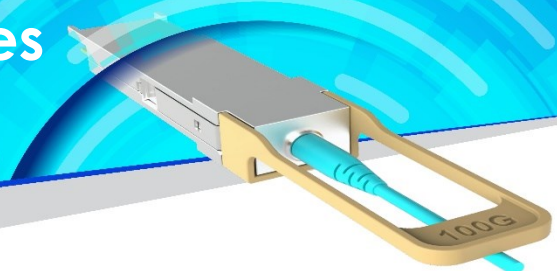
PRODUCT DETAILS



Eoptolink's QSFP28 to 4xSFP28 Active Optical Cable

EOLQ-1HG-PCT-XX-8-X Series

Multi-Mode, 4x25G, QSFP28 to 4xSFP28



Product Description

Eoptolink's QSFP28 to 4xSFP28 active optical cable (AOC) is designed for use in 100G to 4x25G break out links over 1~30m OM2+/1~70m OM3 multi-mode fiber. The AOC is terminated with a QSFP28 module at one end and four SFP28 modules at the other. There are 4 electrical input/output channels operating up to 25.78Gbps per channel. Every channel consists of two transmitter/receiver units, with each operating on 850nm wavelengths. The transmitter path of each channel incorporates a CDR with a modulator driver and a modulated laser. On the receiver path, it consists of a photodiode and a trans-impedance amplifiers (TIA), along with a CDR. The electrical interface of the AOC is compliant with CAUI-4/25GAUI interface as defined by IEEE 802.3bm/802.3by, and compliant with QSFP28/SFP28 MSA.

Features

- Supports 100G Ethernet Interoperability
- No Optical Splices – Seamless Fiber from End-to End
- Less Cabling to Order and Manage
- Simplify Cable Installation
- Aggregate 4 Discrete SFP28 25G Channels into Single Parallel QSFP28 100G Interface
- Optimize Network Cabling by Offsetting the Delta between Switch and Server Ports (1:4)
- Light Weight, Very Small Fiber Outer Diameter - Easy to Dress-out, Route and Manage for Better Airflow and Aesthetics
- QSFP28 Module Compliant to SFF-8665 MSA
- SFP28 Module Compliant to SFF-8402 MSA
- Operating Case Temperature: 0°C~+70°C
- Single 3.3V Power Supply and Power Dissipation: QSFP28<3.5W SFP28<1.0W (Each)
- Safety Certification: TUV/UL/FDA*1
- RoHS Compliant

Applications

- Data Centers with 25GbE Requirements with ToR and Aggregation Architectures
- Network Switch Manufacturers Supporting 100/25GbE
- Server Manufactures Supporting 100/25GbE
- Manufactures of 25GbE Host Card Adapters (HCA/NIC)
- System Integrators



Ordering Information

Part No.	Data Rate	AOC Length*3	Jacket Color	Temp.	DDMI
EOLQ-1HG-PCT-XX-8-T*2	103.1Gbps	1~30m on OM2+	Orange	0~70°C	Yes
EOLQ-1HG-PCT-XX-8	103.1Gbps	1~70m on OM3	Aqua	0~70°C	Yes

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

*2: With T means using OM2+ fiber.

*3: Length measured OM2+ or OM3 fiber. XX denotes the AOC length with unit meter. For example, 01 denotes 1m, 02 denotes 2m ... 70 denotes 70m.

*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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