

PRODUCT DETAILS

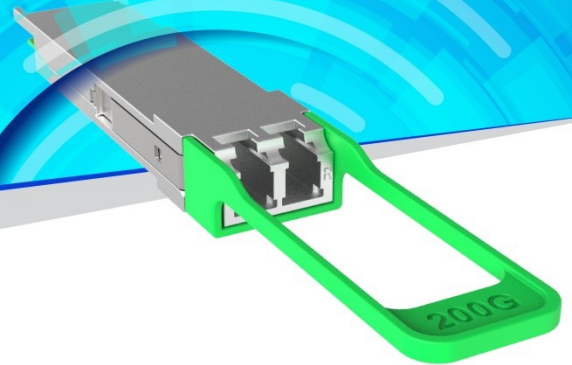
Eoptolink's 200G 2km QSFP56 Optical Transceiver



EOLQ-162HG-02-C

EOLQ-162HG-02-CT

Single-Mode, 200G, FR4
With LC interface



Product Description

Eoptolink's QSFP56 transceiver module is designed for use in 200 Gigabit Ethernet links over 2km single mode fiber. The module has 4 independent electrical input/output channels operating up to 53.125Gbps per channel. This transceiver consists of one transmitter/receiver unit operating on a set of 4 wavelengths on the ITU G.694.2 CWDM grid near 1300nm. The transmitter path of the module incorporates a bi-directional PAM4 re-timer ASIC integrated with one 4-channel modulator driver, 4 directly modulated lasers and one optical multiplexer. On the receiver path, one optical de-multiplexers are coupled to 4 photodiodes and one 4-channel 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 802.3cn, and compliant with SFF-8679 MSA.

Features

- Supports 212.5Gbps
- Single 3.3V Power Supply
- Up to 2km over SMF with KP4 FEC supported at the Host side
- Duplex LC SMF connector
- 4x53.125Gbps (PAM4) electrical interface
- PIN and TIA array on the receiver side
- Power dissipation < 5.5W
- Commercial case temperature range of 0°C to 70°C
- Safety Certification: TUV/UL/FDA*¹
- RoHS compliant

Applications

- 200G FR4 applications
- Data center
- Enterprise networking
- Infiniband interconnects



Ordering Information

Part No.	Data Rate	Fiber	Distance* ²	Interface	Temp.	DDMI	CMIS
EOLQ-162HG-02-C EOLQ-162HG-02-CT	212.5Gbps	SMF	2km	Duplex LC	0~70°C	Yes	CMIS4.0* ³

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

*2: Over MMF.

*3: CMIS4.0 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

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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