eoptolink®

EOLQ-852HG-02-MX4CN Series

Multi-Mode, 200G-SR4, 2×100G-SR2, QSFP56
With MPO12 Interface
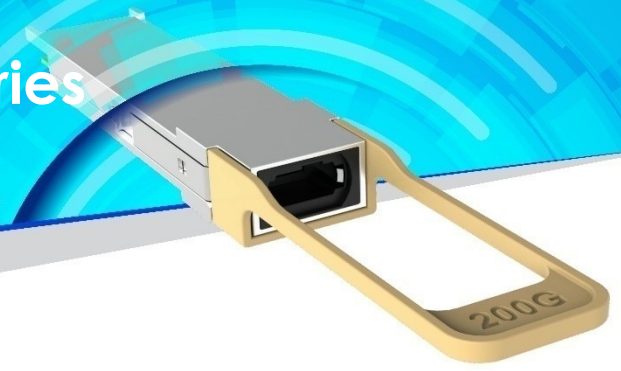
Product Description

Eoptolink's QSFP56 200G transceiver module is designed for use in 200G, 100G and 40G Ethernet links up to 100m over OM4 and 70m over OM3 multi-mode fiber. The module has 4 independent electrical input/output channels operating at 53.125Gbps, 25.78125Gbps or 10.3125Gbps per channel. This transceiver consists a transmitter/receiver unit operating on 850nm wavelengths. The transmitter path of the module incorporates a PAM4 and NRZ re-timer ASIC integrated with a 4-channel modulators driver, 4 externally modulated lasers. On the receiver path, there are 4 photodiodes and one 4-channel linear TIA arrays, along with the PAM4 and NRZ re-timer. The electrical interface of the module is compliant with the 200GAUI-4 interface as defined by IEEE 802.3bs, CAUI-4 interface and XLAUI as defined by IEEE802.3bm.

Features

- Supports 212.5Gbps, 103.1Gbps and 41.25Gbps
- Single 3.3V power supply
- Power dissipation: Commercial version <5W
- Up to 100m over OM4 and 70m over OM3
- RoHS compliant (lead-free)
- 4x26.5625GBd(PAM4),4x25.78Gbps(NRZ) or 4x10.3125Gbps(NRZ) electrical interface
- MPO12 connector
- Commercial case temperature range of 0°C to 70°C
- VCSEL transmitter

- PIN and TIA array on the receiver side
- I^2C interface with integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA[1]

Applications

- 200GBASE-SR4
- 100GBASE-SR4
- 40GBASE-SR4
- 2 x 100GBASE-SR2 breakout application
- 4 x 50GBASE-SR breakout application
- 4 x 25GBASE-SR breakout application
- 4 x 10GBASE-SR breakout application

Ordering Information

Part No.	Data Rate	Fiber	Distance[2]	Interface	Temp.	DDMI	CMIS
EOLQ-852HG-02-M4CN	212.5Gbps 103.1Gbps 41.25Gbps	OM4/ OM3	100m/70m	MPO12 APC	0~70℃	Yes	CMIS4.0 [3]
EOLQ-852HG-02-MP4CN	212.5Gbps 103.1Gbps 41.25Gbps	OM4/ OM3	100m/70m	MPO12 PC	0~70℃	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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