

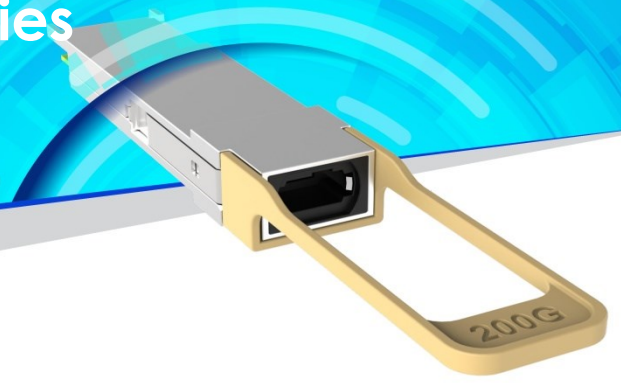
PRODUCT DETAILS

Eoptolink's 200G 100m QSFP56 Optical Transceiver



EOLQ-852HG-02-MX4WT Series

Multi-Mode, 200G, QSFP56
With MPO12 interface



Product Description

Eoptolink's QSFP56 200G transceiver module is designed for use in 200 Gigabit 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 53.125Gb/s per channel. This transceiver consists a transmitter/receiver unit operating on 850nm wavelength. The transmitter path of the module incorporates a PAM4 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 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 < 5W
- Up to 100m OM4 and 70m over OM3
- 4x26.5625GBd (PAM4) electrical interface
- MPO-12 connector
- 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
- RoHS compliant (lead-free)

Applications

- 200G SR4 applications



Ordering Information

| Part No. | Data Rate | Fiber | Distance*2 | Interface | Temp. | DDMI | CMIS |
|---------------------|-----------|-------------|--------------|-----------|--------|------|---------------|
| EOLQ-852HG-02-M4WT | 212.5Gbps | OM4/ OM3 | 100m/ 70m | MPO12 APC | 0~70°C | Yes | CMIS4.0 *3 |
| EOLQ-852HG-02-MP4WT | 212.5Gbps | OM4/ OM3 | 100m/ 70m | MPO12 PC | 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.

Eoptolink Technology Inc., Ltd.

Add: No.127 West Wulian Street, Shuangliu District, Chengdu City 610213, P.R.China.

Tel: +86-028-6708 7983 (HQ); +86-028-6708 7999

Fax: +86-028-6708 7979

Email: sales@eoptolink.com

<http://www.eoptolink.com/>