

PRODUCT DETAILS

Eoptolink's 400G-VR4 QSFP112 Optical Transceiver



EOLQ-854HG-01-M

Multi-Mode, 400G-VR4 QSFP112

With MPO12-APC interface

Product Description

Eoptolink's QSFP112 400G transceiver module is designed for use in 400G Ethernet links up to 50m over OM4 and 30m over OM3 multi-mode fiber. The module has 4 independent electrical input/output channels operating at 106.25Gbps per channel. This transceiver consists a transmitter/receiver unit operating on 850nm wavelengths. 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 400GAUI-4 interface as defined by IEEE 802.3ck.

Features

- Supports 425Gbps
- Single 3.3V power supply
- Power dissipation:
Commercial version <8W
- Up to 50m over OM4 and 30m over OM3
- RoHS compliant (lead-free)
- 4x53.125GBd (PAM4) electrical interface
- MPO12-APC connector
- Commercial case temperature range of 15°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

- 400GBASE-VR4



Ordering Information

Part No.	Data Rate	Fiber	Distance* ²	Interface	Temp.	DDMI	CMIS
EOLQ-854HG-01-M	425Gbps	OM4 OM3	50m 30m	MPO12 APC	15~70°C	Yes	CMIS4.0* ³

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

*2: Over MMF.

*3: CMIS4.0 or later version.

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

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