

## PRODUCT DETAILS

Eoptolink's 4x100G 500m QSFP112 Optical Transceiver



# EOLQ-134HG-5H-MXX

Single-Mode, 4x100G-DR QSFP112  
With MPO-12 interface

## Product Description

Eoptolink's QSFP112 4x100Gbps transceiver module is designed for use in 400Gigabit Ethernet links over 500m single mode fiber. This product has 4 independent electrical input/output channels which can convert 106.25Gbps (PAM4) electrical input data to 4 channels of 106.25Gbps (PAM4) parallel optical signals, and also convert 4 channels of parallel optical signals of 106.25Gbps (PAM4) for each channel into 4 channels of 106.25Gbps (PAM4) electrical output data. The module incorporates 4 parallel channels on 1310nm center wavelength, operating at 106.25G per channel. The transmitter path of the module incorporates a bi-directional PAM4 re-timer ASIC integrated with electro-absorption modulated laser driver. On the receiver path, used 4 photodiodes and one 4-channel TIA arrays, along with the PAM4 re-timer.

## Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Up to 500m over SMF with KP4 FEC supported at the Host side
- MPO-12 connector
- 4x106.25Gbps (PAM4) electrical interface
- PIN and TIA array on the receiver side
- Power dissipation < 10W
- Commercial case temperature range: 0°C to 70°C

- Safety Certification: TUV/UL/FDA\*1
- RoHS Compliant

## Applications

- 4x100G-DR applications
- Data center
- Infiniband interconnects

## Ordering Information



Part No.	Data Rate	Fiber	Distance*2	Interface	Temp.	DDMI	CMIS
EOLQ-134HG-5H-MXX*1	425Gbps	SMF	500m	MPO-12	0~70°C	Yes	CMIS5.0*3

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

\*2: Over G.652 SMF.

\*3: CMIS5.0 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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