

PRODUCT DETAILS

Eoptolink's 4x100G 2km QSFP112 Optical Transceiver



EOLQ-134HG-02-MXX

Single-Mode, 4x100G-FR QSFP112
With MPO12 interface

Product Description

Eoptolink's QSFP112 4x100Gbps transceiver module is designed for use in 400Gigabit Ethernet links over 2km 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 electrical interface of the module is compliant with the QSFP112 MSA.

Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Up to 2km 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-FR applications
- Data center
- Infiniband interconnects



Ordering Information

Part No.	Data Rate	Fiber	Distance*2	Interface	Temp.	DDMI	CMIS
EOLQ-134HG-02-MXX*1	425Gbps	SMF	2km	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

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.

USA Add: 3191 Laurelview Court Fremont, CA 94538.

Thailand Add: 390/21 Moo 2, Khao Khan Song Sub-district, Sriracha District, Chonburi Province, Thailand, 20110.

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

Email: sales@eoptolink.com

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