eoptolink®

EOLD-134HG-5H-MX6 Series

Single-Mode, 400G, 4×100G-LR QSFP-DD
With MPO12 interface

Product Description

Eoptolink's QSFP-DD 4*100Gbps transceiver module is designed for optical communication applications in 400 Gigabit Ethernet links over 10km single mode fiber. This product converts 8 channels of 50Gbps (PAM4) electrical input data to 4 channels of 100Gbps (PAM4) parallel optical signals. Reversely, on the receiver side, 4 channels of parallel optical signals of 100Gbps (PAM4) converts to 8 channels of 50Gbps (PAM4) electrical output data. The central wavelengths of 4 parallel channels are 1310nm, and per channel operating at 100Gbps. The electrical interface of the module is compliant with the 400GAUI-8 interface as defined by IEEE 802.3bs, and the form factor, optical/electrical connection and digital diagnostic interface compliant with QSFP-DD MSA.

Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Power dissipation < 10W
- Up to 10km over SMF
- RoHS compliant
- QSFP-DD MSA Compliant
- 8x53.125Gbps (PAM4) electrical interface
- MPO-12 connector
- Commercial case temperature range of 0°C to 70°C
- PIN and TIA array on the receiver side

- I^2C interface with integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA[1]

Applications

- 4 x 100G-LR applications
- Data center
- Enterprise networking
- Infiniband interconnects

Ordering Information

Part No.	Data Rate	Fiber	Distance[2]	Interface	Temp.	DDMI	CMIS
EOLD-134HG-10-M6	425Gbps	SMF	10km	MPO12	0~+70℃	Yes	CMIS3.0
EOLD-134HG-10-M46	425Gbps	SMF	10km	MPO12	0~+70℃	Yes	CMIS4.0[3]

*1: For the latest certification information, please check with Eoptolink.
*2: Over G.652 SMF.
*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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