

PRODUCT DETAILS



Eoptolink's 4x100G 2km QSFP112 Linear-drive Pluggable Optical Transceiver

EOLQ-164HG-02-SLX

Single-Mode, 4x100G-FR QSFP112
With Duplex LC interface

Product Description

Eoptolink's QSFP112 4x100Gbps Linear-drive Pluggable transceiver module is designed for use in 400 Gigabit 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 channels on CWDM wavelength, operating at 106.25G per channel. The transmitter path of the module incorporates a Silicon Photonics Laser and one 4-channel modulator driver. On the receiver path, used 4 photodiodes and one 4-channel TIA arrays.

Features

- Supports 425Gbps
- Single 3.3V Power Supply
- Up to 2km over SMF with KP4 FEC supported at the Host side
- Duplex LC connector
- 4x106.25Gbps (PAM4) electrical interface
- PIN and TIA array on the receiver side
- Power dissipation < 6.0W
- 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-164HG-02-SLX*1	425Gbps	SMF	2km	Duplex LC	0~70°C	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.

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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