

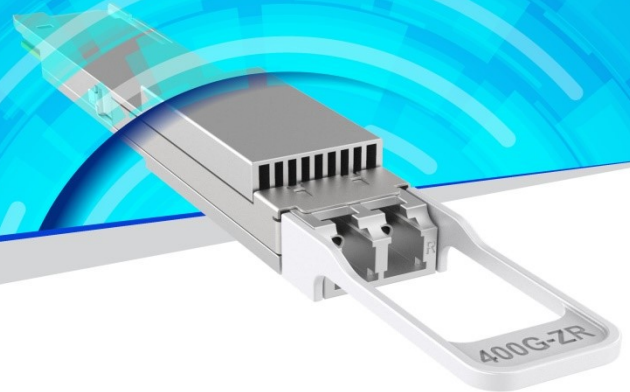
PRODUCT DETAILS

Eoptolink's 400G 120km QSFP-DD Optical Transceiver



EOLD-164HG-B-XX5 Series

DWDM, 400G ZR, QSFP-DD
With LC interface



Product Description

Eoptolink's QSFP-DD 400Gbps transceiver module is designed for optical communication applications in 400 Gigabit Ethernet links up to 120km single mode fiber. This product converts 8 channels of 50 Gbps (PAM4) electrical input data to single channel of 400Gbps (DP-16QAM) coherent optical signals. Reversely, on the receiver side, 400Gbps (DP-16QAM) coherent optical signals is converted to 8 channels of 50Gbps (PAM4) electrical output data. 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
- Up to 120km over SMF with EDFA
- RoHS compliant
- QSFP-DD MSA Compliant
- 8x53.125Gbps (PAM4) electrical interface
- Duplex LC connector
- Commercial case temperature range of 0°C to 70°C
- I²C interface with integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA^{*1}

Applications

- 400G-ZR Ethernet applications
- Data center interconnection

Ordering Information



Part No.	Data Rate	Fiber	Distance ^{*2}	Interface	Temp.	DDMI	CMIS
EOLD-164HG-B-XX5	425Gbps	SMF	120km	LC	0~+70°C	Yes	CMIS5.0 ^{*3}

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

*2: Over G.652 SMF with EDFA.

*3: CMIS5.0 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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