

## PRODUCT DETAILS

Eoptolink's 100G/ OTU4 4L1-9D1F 40km QSFP28

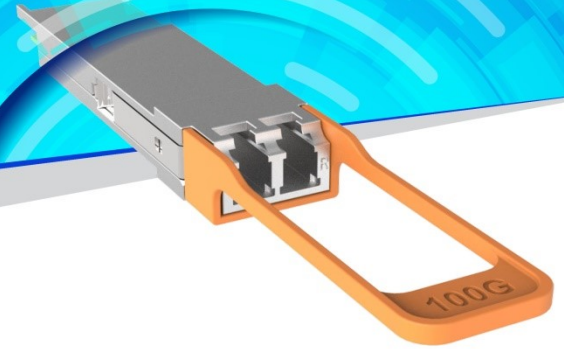
Optical Transceiver



# EOLQ-161HG- 40-LA

Single-Mode, QSFP28

With LC interface



## Product Description

Eoptolink's EOLQ-161HG-40-LA transceiver module is designed for use in 100 Gigabit Ethernet/OTU4 links over 40km single mode fiber. The module has 4 independent electrical input/output channels operating up to 27.95Gbps per channel. This transceiver consists of transmitter/receiver units, with each operating on a set of 4 wavelengths on the ITU G.694.1 LAN-WDM grid near 1310nm. The transmitter path of the module incorporates 4-channel EMLs and a 4-channel modulator driver. On the receiver path, 4-channel APD array and 4-channel TIA array are used, along with the NRZ retimers.

## Features

- Supports 103Gbps & 112Gbps
- Power dissipation < 5W
- Up to 40km over SMF
- Commercial case temperature range of 0°C to 70°C
- Four 25Gbps/28Gbps EML LAN-WDM lasers on transmitter side
- APDs and TIA array on the receiver side
- Duplex LC receptacles

- I<sup>2</sup>C Interface with Integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA\*<sup>1</sup>
- RoHS Compliant

## Applications

- 100G 30km applications without FEC on host side
- 100G 40km applications with FEC on host side
- 100G Datacom & Telecom connections
- OTU4 4L1-9D1F



## Ordering Information

Part No.	Data Rate	Fiber	Distance* <sup>3</sup>	Interface	Temp.	DDMI
EOLQ-161HG-40-LA* <sup>2</sup>	103Gbps&112Gbps	SMF	40KM	LC	0°C~+70°C	Yes

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

\*2: Data rate is 100GBE by default, you can configure it to OUT4 according to QSFP28 MSA

\*3: Over SMF.

\*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

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