

PRODUCT DETAILS

Eoptolink's 100G 40km CFP Optical Transceiver



EOLC-161HG-40-L1A

SMF, 100G-ER4, OTU4 4L1-9C1F, CFP
With Duplex LC interface



Product Description

Eoptolink's CFP transceiver module is designed for 100 Gigabit Ethernet & OTU4 links over 40Km single-mode fiber. The module has 10 independent electrical input/output channels, and the operating speed of each channel is up to 11Gbps. This transceiver consists of transmitter and receiver units and operates on a set of 4 wavelengths near 1310nm on the ITU G.694.1 LAN-WDM grid. The transmitter unit contains a 10:4 Gearbox, a 4-channel modulator driver and a 4-channel EML. On the receiver path, there are one VOA+SOA components, a 4-channel PIN arrays and a 4-channel TIA arrays, as well as Gearbox.

Features

- Up to 40km over SMF
- Duplex LC connector
- Supports 103Gbps and 112Gbps aggregate bit rates
- Single 3.3V power supply and power dissipation < 12W
- 4*28Gbps DFB-based LAN-WDM transmitter
- VOA+SOA components, PIN and TIA array on the receiver side
- Operating Case Temperature extended range:
0°C to 70°C
- Class 1 FDA and IEC60825-1 Laser Safety Compliant
- Safety Certification: TUV/UL/FDA^{*1}
- RoHS Compliant

Applications

- 100GBASE-ER4 Ethernet
- OTU4 4L1-9C1F

Ordering Information



Part No.	Data Rate ^{*2}	Fiber	Distance ^{*3}	Interface	Temp.	DDMI
EOLC-161HG-40-L1A	112Gbps	SMF	40km	LC	0~70°C	Yes

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

*2: Switching between 100GBASE-ER4 and OTU4 4L1-9C1F through MDIO.

*3: 40 km with 9/125µm 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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