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EOLD-138HG-02-SM

Single-Mode, 800G, 8×100G-FR, QSFP-DD800
With MPO-16 interface

Product Description

Eoptolink's QSFP-DD 8*100 Gbps transceiver module is designed for use in 800 Gigabit Ethernet links over 2km single mode fiber. This product has 8 independent electrical input/output channels which can converts 106.25Gbps (PAM4) electrical input data to 8 channels of 106.25Gbps (PAM4) parallel optical signals, and also converts 8 channels of parallel optical signals of 106.25Gbps (PAM4) for each channel into 8 channels of 106.25Gbps (PAM4) electrical output data. The module incorporates 8 parallel channels on 1310nm center wavelength, operating at 106.25G per channel. The electrical interface of the module is compliant with the 800GAUI-8 interface as defined by IEEE 802.3ck, and compliant with QSFP-DD MSA.

Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Up to 2km over SMF with KP4 FEC supported at the Host side
- MPO-16 connector
- 8x106.25Gbps (PAM4) electrical interface
- PIN and TIA array on the receiver side
- Power dissipation < 18W
- Commercial case temperature range: 0°C to 70°C

- Safety Certification: TUV/UL/FDA[1]
- RoHS Compliant

Applications[1]

- 8x100G Ethernet
- 2x400G Ethernet
- 1x800G Ethernet

Ordering Information

Part No.	Data Rate	Fiber	Distance[2]	Interface	Temp.	DDMI	CMIS
EOLD-138HG-02-SM	850Gbps	SMF	2km	MPO-16	0~+70℃	Yes	CMIS5.0[3]

*1: For more details, please contact with Eoptolink.
*2: Over G.652 SMF.
*3: CMIS5.0 or later version.
*The product image is only for reference purpose.

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EOLD-138HG-02-M

Single-Mode, 800G, 8×100G QSFP-DD
With MPO-16 interface

Product Description

Eoptolink's QSFP-DD 8x100Gbps transceiver module can be used for 800 Gigabit Ethernet connections over 2km of single-mode fiber. The module includes eight parallel channels with a central wavelength of 1310nm, and the operating rate of each channel is 106.25Gbps. These 8-channel PAM4 parallel optical signals can be converted into 8-channel PAM4 electrical output signals; and there are 8 independent electrical input/output channels, which can convert PAM4 electrical input data into 8-channel PAM4 parallel optical signal. The transmitter of the module includes a bi-directional PAM4 re-timer ASIC with an 8-channel modulator driver and 8 EML Lasers. The receiver uses 8 photodiodes and two 4-channel TIA arrays, as well as the PAM4 re-timer. The electrical interface of the module is compliant with the 800GAUI-8 interface as defined by IEEE 802.3ck, and compliant with QSFP-DD MSA.
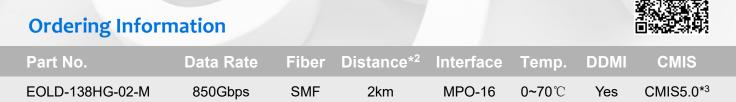
Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Up to 2km over SMF with KP4 FEC supported at the Host side
- MPO-16 connector
- 8x106.25Gbps (PAM4) electrical interface
- PIN and TIA array on the receiver side
- Power dissipation < 16W
- Case temperature range: 0°C to 70°C(commercial)

- Safety Certification: TUV/UL/FDA[1]
- RoHS Compliant

Applications[1]

- 8x100G Ethernet
- 2x400G Ethernet
- 1x800G Ethernet

Ordering Information

Part No.	Data Rate	Fiber	Distance[2]	Interface	Temp.	DDMI	CMIS
EOLD-138HG-02-M	850Gbps	SMF	2km	MPO-16	0~70℃	Yes	CMIS5.0[3]

*1: For more details, please contact with Eoptolink.
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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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