

## PRODUCT DETAILS

Eoptolink's 800G 120km OSFP Optical Transceiver



# EOLO-168HG-B-XXXS Series

DWDM, 800G ZR, OSFP

With LC interface

## Product Description

Eoptolink's OSFP 800Gbps transceiver module is designed for optical communication applications in 800 Gigabit Ethernet links up to 120km single mode fiber. This product converts 8 channels of 100Gbps (PAM4) electrical input data to single channel of 800Gbps (DP-16QAM) coherent optical signals. Reversely, on the receiver side, 800Gbps (DP-16QAM) coherent optical signals is converted to 8 channels of 100Gbps (PAM4) electrical output data. The electrical interface of the module is compliant with the 8x100GAUI-1, 4x200GAUI-2 and 2x400GAUI-4 interface as defined by IEEE 802.3ck, and the form factor, optical/electrical connection and digital diagnostic interface compliant with OSFP MSA.

## Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Up to 120km over SMF with EDFA
- RoHS compliant
- OSFP MSA Compliant
- 8x106.25Gbps (PAM4) electrical interface
- Duplex LC connector
- Commercial case temperature range of 0°C to 70°C
- I<sup>2</sup>C interface with integrated Digital Diagnostic Monitoring
- Safety Certification: TUV/UL/FDA<sup>\*1</sup>

## Applications

- 800G-ZR Ethernet applications
- Data center interconnection

## Ordering Information

| Part No.          | Data Rate | Fiber | Distance <sup>*2</sup> | Interface | Temp.   | DDMI | CMIS                  |
|-------------------|-----------|-------|------------------------|-----------|---------|------|-----------------------|
| EOLO-168HG-B-XXXS | 850Gbps   | SMF   | 120km                  | LC        | 0~+70°C | Yes  | CMIS5.0 <sup>*3</sup> |

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

\*2: Over G.652 SMF with EDFA.

\*3: CMIS5.0 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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