

PRODUCT DETAILS

Eoptolink's 2x400G VR4 OSFP Optical Transceiver



EOLO-858HG-01-DX Series

2x400GbE or 8x100GbE OSFP

With Dual MPO-12 interface, Flat Top, Finned Top, Riding HS

Product Description

Eoptolink's OSFP 2x400G VR4 transceiver module is designed for use in 2x400 Gigabit Ethernet links over 30m OM3 or 50m OM4 fiber. The module has 8 independent electrical input/output channels operating up to 106.25Gbps per channel. This transceiver consists of two transmitter/receiver units, with each operating on 850nm wavelength. The transmitter path of the module incorporates a PAM4 re-timer ASIC with two 4-channel modulator drivers and 8 modulated lasers. On the receiver path, it consists of 8 photodiodes and two 4-channel TIAs, along with the PAM4 re-timer. The electrical interface of the module is compliant with the 400GAUI-4 interface as defined by IEEE 802.3ck, and compliant with OSFP MSA.

Features

- Supports 850Gbps
- Single 3.3V Power Supply
- Power dissipation < 15W
- 8x53.125GBd (PAM4) Electrical Interface
- Dual MPO-12 Connector APC
- Case Temperature Range: 15°C to 70°C
- VCSEL Transmitter
- PIN and TIA Array on the Receiver Side
- I2C Interface with Integrated Digital Diagnostic Monitoring

- Safety Certification: TUV/UL/FDA^{*1}
- RoHS Compliant
- OSFP MSA Compliant

Applications

- 2x400GbE
- 8x100GbE



Ordering Information

Part No.	Data Rate	Fiber	Distance	Interface	DDMI	Structure type	CMIS
EOLO-858HG-01-D	850Gbps	OM3	30m	Dual MPO-12	Yes	Flat Top	CMIS5.0 ^{*2}
		OM4	50m	APC			
EOLO-858HG-01-DF	850Gbps	OM3	30m	Dual MPO-12	Yes	Finned Top	CMIS5.0 ^{*2}
		OM4	50m	APC			
EOLO-858HG-01-DR	850Gbps	OM3	30m	Dual MPO-12	Yes	Riding HS	CMIS5.0 ^{*2}
		OM4	50m	APC			

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

*2: 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

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.

Eoptolink Technology Inc., Ltd.

USA Add: 3191 Laurelview Court Fremont, CA 94538.

Thailand Add: 390/21 Moo 2, Khao Khan Song Sub-district, Sriracha District, Chonburi Province, Thailand, 20110.

China Add: No.127 West Wulian Street, Shuangliu District, Chengdu City 610213, P.R.China.

Email: sales@eoptolink.com

<http://www.eoptolink.com/>