

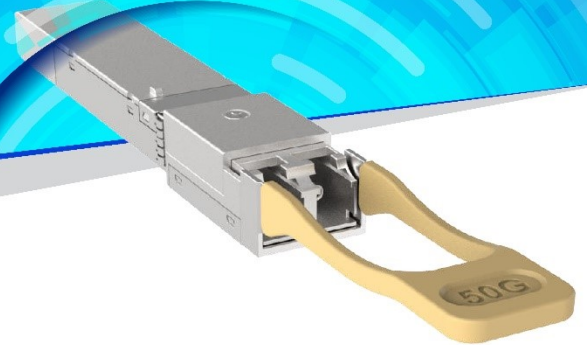
## PRODUCT DETAILS

Eoptolink's 50G 100m SFP56 Optical Transceiver



# EOLP-8550G-02-N

Multi-Mode, 50G-SR, SFP56  
With Duplex LC interface



## Product Description

Eoptolink's SFP56 50G transceiver module is designed for use in 50 and 25 Gigabit Ethernet links up to 100m over OM4 and 70m over OM3 multi-mode fiber. The module operating at 53.125Gbps, 25.78Gbps or 10.3125Gbps. This transceiver consists of a transmitter/receiver unit operating on 850nm wavelength. The transmitter path of the module incorporates a bi-directional PAM4 and NRZ re-timer ASIC integrated with a modulator driver and an externally modulated laser. On the receiver path, there is a photodiode and linear TIA, along with the PAM4 and NRZ re-timer. The electrical interface of the module is compliant with the 50GAUI-1 interface as defined by IEEE 802.3cd, the 25GAUI interface as defined by IEEE802.3by, the SFP+ interface as defined by SFF-8431.

## Features

- Supports 53.125Gbps, 25.78125Gbps and 10.3125Gbps
- 850nm VCSEL transmitter
- Single 3.3V power supply
- Power dissipation:  
Commercial version < 1.5W
- Up to 100m over OM4 and 70m over OM3
- 26.5625GBd (PAM4), 25.78Gbps(NRZ) or 10.3125Gbps(NRZ) electrical interface
- Duplex LC Connector Interface, Hot Pluggable
- Commercial case temperature range of 0°C to 70°C
- Safety Certification: TUV/UL/FDA<sup>\*1</sup>
- RoHS Compliant

## Applications

- 50GBASE-SR
- 25GBASE-SR
- 10G application



## Ordering Information

Part No.	Data Rate	Fiber	Distance <sup>*2</sup>	Interface	Temp.	DDMI
EOLP-8550G-02-N	53.125Gbps 25.78125Gbps 10.3125Gbps	OM4/ OM3	100m/70m	Duplex LC	0~+70°C	Yes

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

\*2: Over MMF

\*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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