

Optical Transceiver



800G OSFP SR8

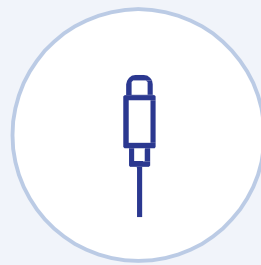
General Description

OSFP SR8 is an Eight-Channel, Parallel, Pluggable, Fiber-Optic OSFP for 800Gigabit Ethernet ,InfiniBand applications. It's a high performance module for short- reach data communication and interconnect application. It integrates eight data lanes in each direction with 8x53.125GBd. It's designed to operate over multimode fiber systems using a nominal wavelength of 850nm.



OSFP Serial Optical Interface

- 8x100G PAM4 retimed 800GAUI-8 electrical interface
- Dual MPO-12/APC port
- 8 channel VCSEL arrays and 8 channels PIN photo detector arrays
- Maximum link length of 60m on OM3 or 100m on OM4



OSFP MSA Compliant

- Hot Pluggable OSFP form factor
- Compliant to OSFP-Hardware-Rev 6.3 MSA
- Compliant to CMIS 5.2



Standards and Low Power Consumption

- Compliant to IEEE 802.3db
- Compliant to IEEE 802.3ck
- Less than 14W in temperature range of 0 to 70°C

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Technical data

Model	800G OSFP SR8	Top	Finned for air-cooled switch Flat for liquid-cooled
Package Type	OSFP	Transmission rate	850Gbps (8x 106.25Gbps)
Wavelength	860nm	Transmission distance	60m on OM3 or 100m on OM4
Connector	MPO-12/APC	Fiber type	Multimode MMF
Transmitter type	VCSELs	Receiver type	PIN
Data diagnosis	Yes	Commercial Temperature	0~70°C
Transmitted optical power	-4.6~4dBm	Receiver sensitivity	max(-4.6dBm, TECQ-6.4)
Power Supply Voltage	3.135~3.465V	Receive overload	5dBm
Power Consumption	≤14W	Extinction Ratio	>2.5dB
Modulation	PAM4	Packaging scheme	COB package (chip on board package)
Chip	DSP	FEC function	Provided by host system
Protocol	IEEE802.3ck, IEEE802.3db OSFP MSA	Warranty	3 years

Order Information

Part Number	Description
SFP-2280000101E5DA-FI	Twin port transceiver,800Gbps,2xNDR,OSFP,2xMPO12 APC,850nm OM4,up to 100m,finned top Compatible with Nvidia
SFP-2280000101E5DA-FT	Twin port transceiver,800Gbps,2xNDR,OSFP,2xMPO12 APC,850nm OM4,up to 100m,flat top Compatible with Nvidia