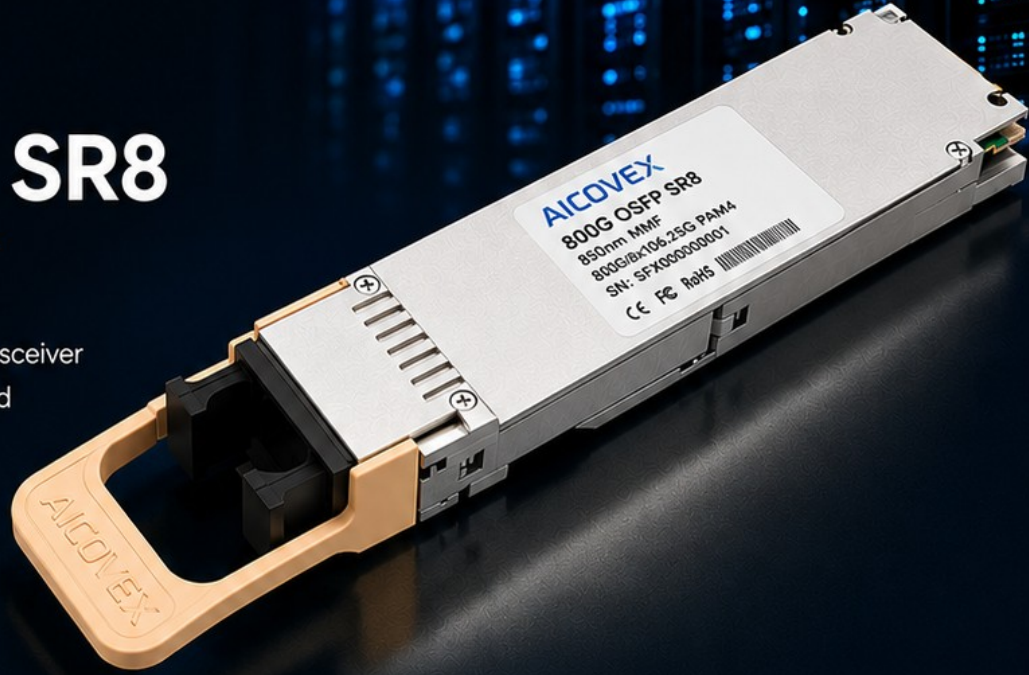


AICOVEX

LINKING INTELLIGENCE. POWERING FUTURES.

800G OSFP SR8 Optical Transceiver

Multi-mode 850nm 800G OSFP SR8 transceiver designed for AI clusters, data centers, and next-generation Ethernet networks.



800G
AGGREGATE
BANDWIDTH



800 Gbps
Aggregate
Bandwidth



8x106.25G PAM4
8 Lanes
PAM4 Modulation



With
Diagnostic
Monitoring



Dual MPO-12
Connector



Up to 100m
Over MMF
(OM4)



Reliable & Efficient
Low Power
High Performance

FEATURES

- Hot-pluggable OSFP form factor
- Data Rate 106.25 Gb/s PAM4 per lane
- 8x106Gbps PAM4 transmitter and PAM4 receiver
- 8 channels 850nm VCSEL laser array and 8 channels PIN photo-detector array
- Maximum link length of 60m on OM3 MMF and 100m on OM4 MMF
- Digital diagnostics functions are available via the I²C interface
- Single 3.3V Power Supply and Power Dissipation < 14W
- Dual MPO-12 APC receptacles
- Operating Case Temperature: 0°C ~ +70°C
- RoHS compliant



ORDERING INFORMATION

Product Name	Data Rate (Per Lane)	Wavelength (nm)	Max. Reach	Fiber Type	Connector	DDM	Operating Temperature
AICOVEX-OSFP-SR8-800G	106.25 Gb/s PAM4	850	100m (OM4) 60m (OM3)	MMF	Dual MPO-12 APC	Yes	0°C ~ +70°C

APPLICATIONS

- 800G SR8 Ethernet

PRODUCT DESCRIPTION

The 800G OSFP optical transceiver is a 8-Channel, Pluggable, Fiber-Optic OSFP for 800Gbps SR8 Applications. It is a high-performance module for short-range data communication and interconnect applications which operate at 106.25Gbps per lane up to 60m using OM3 fiber and 100m using OM4 fiber. The optical interface uses MPO receptacles.

This module is designed to operate over multimode fiber systems using a nominal wavelength of 850nm. The electrical interface uses a 60-contact edge type connector.



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