

800Gb/s OSFP Transceivers

DESIGNED FOR USE IN 800GB/S DATA RATE LINKS. COMPLIANT WITH OSFP MSA, IEEE802.3, OIF-CMIS

Amphenol's 800G OSFP optical modules include 2xDR4(plus), 2xFR4(plus), 2xLR4, AOC, and AOC break-out series, which adopt LC or MPO optical ports and are compatible with IEEE802.3, OIF-CMIS and other standards. It is mainly used in 800G Ethernet applications and other environments.

- Low power dissipation for LPO based solutionSupport 106.25Gb/s data rate per channel
- Digital Diagnostics Monitoring Interface
- Electrically hot-pluggable
- Compliant with OSFP MSA and RoHS



FEATURES & BENEFITS

- Hot-pluggable OSFP form factor
- Single 3.3V power supply
- Dual duplex MPO-12 or LC optical receptacle
- Up to 106.25Gb/s data rate per channel
- Low power dissipation for LPO based solution
- Digital Diagnostics Monitoring Interface
- RoHS compliant
- Compliant with OIF-CMIS

TECHNICAL INFORMATION

ELECTRICAL PERFORMANCE

- SFF-8679

MECHANICAL PERFORMANCE

- OSFP MSA

SPECIFICATIONS

- IEEE 802.3cu
- IEEE 802.3ck

ENVIRONMENTAL

- Case Operating Temperature Range: 0°C to 70°C

APPROVALS & CERTIFICATION

- UL, TUV

PACKAGING

- OSFP

TARGET MARKETS/APPLICATIONS



Data Center

PART NUMBERS

Description	Part Numbers
800G OSFP 2*FR4 2km Transceiver with DDM (C-temp)	OP27PD8-02D
800G OSFP 2*LR4 10km Transceiver with DDM (C-temp)	OP27PD8-10D
800G OSFP DR8 500m Transceiver with DDM (C-temp)	OP13PD8-005D
800G LPO OSFP 2*DR4+ 2km Transceiver with DDM (C-temp)	OP13LD8-02D
800G OSFP SR8 AOC, 4m OM3	AOP85PD8-004

Find part number details using the search box on www.amphenol-cs.com

KEY PARAMETER SPECIFICATIONS

Product Name	Part Number	Package	Interface	Reach	Fiber Type	Wavelength	Rate	Tx Output (dBm)	Rx Input (dBm)	Power Consumption	Temp (°C)
800G OSFP 2*FR4	OP-27PD8-02D	OSFP	LC	2km	SMF	1271nm/1291nm/1311nm/1331nm	800G	-3.2~4.4	-7.2~4.4	14.5W	0~70
800G OSFP 2*LR4	OP-27PD8-10D	OSFP	LC	10km	SMF	1271nm/1291nm/1311nm/1331nm	800G	-2.7~5.1	-9~5.1	14.5W	0~70
800G OSFP DR8	OP-13PD8-005D	OSFP	MPO-12	500m	SMF	1310nm	800G	-2.9~4	-5.9~4	14W	0~70
800G LPO OSFP 2*DR4+	OP13LD8-02D	OSFP	MPO-12	2km	SMF	1310nm	800G	-3.1~4	-7.1~4	8W	0~70
800G OSFP SR8 AOC	AOP-85PD8-004	OSFP	No separable connector	4m	MMF	850nm	800G	/	/	16W per cable end	0~70