

XFP

TECHNICAL DATA

REFERENCE SUMMARY

PRODUCTS CATEGORY

XFP

- Dual Fiber Strands XFP Modules
- CWDM Dual Fiber Strands XFP Modules
- DWDM Dual Fiber Strands XFP Modules
- Single Fiber Strand XFP Modules

DESCRIPTION

XFP is a standardized form factor for serial 10 Gb/s fiber optic transceivers. It is protocol-independent and fully compliant to the following standards: 10G Ethernet, 10G Fibre Channel, SONET OC-192, SDH STM-64 and OTN G.709, supporting bit rate from 9.95G through 11.3G. XFP transceivers are used in datacom and telecom optical links and offer a smaller footprint and lower power consumption than other 10 Gb/s transponders.

PRODUCTS



FEATURES

- Hot-Pluggable XFP Footprint LC Optical Transceiver
- Digital Diagnostic Function
- Class 1 Laser International Safety Standard IEC-60825 Compliant
- Compatible with XFP Multi-Sourcing Agreement (MSA)
- XFP Optical Transceiver with duplex LC connector
- 10G small Form-Factor Pluggable(XFP) MSA compatible
- INF-8077i Digital Diagnostic Function(DMI)
- Maximum Link Length of 80km
- Single +3.3 V Power Supply
- Low Power Dissipation < 2W
- RoHS Compliant (all models)

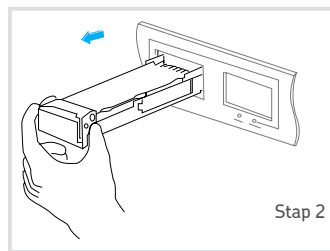
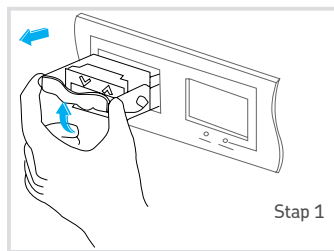
APPLICATIONS

- Metro Edge Switching
- OC192/ STM64, 9.953Gbps
- 10G Ethernet, 10.312Gbps
- 10G Fiber Channel, 10.52Gbps
- OC192 with G.709 FEC, 10.709Gbps
- 10G Ethernet with G.709 FEC, 11.09Gbps

SPECIFICATIONS

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Standards	IEEE 802.3 2003
Dimensions	Width: 0.71" [18 mm] Depth: 3.07" [78 mm] Height: 0.33" [8 mm]
Power	3.3V
Power Consumption	0.66 Watts
Connector Type	LC
Environment	0°C – 70°C
Compliance	IEC-60825; FDA 21:CFR 1040.10 and 1040.11
Warranty	2 year



Installing the 10-Gigabit XFP Transceiver Module

Step 1 : Pivot the XFP transceiver bail clasp up to release the XFP transceiver from the socket.

Step 2 : Slide the XFP transceiver out of the socket.

XFP

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- C-Band DWDM Dual Fiber Strands XFP Modules
- Single Fiber Strand XFP Modules

Dual Fiber Strands XFP Modules

DateRate	Part Number	Type	Wavelength	Distance (km)	TX Power (dBm)	RX Sens. (dBm)	Fiber Budget (dB)
9.95Gb/s to 11.1Gb/s	SV-XFP-SR	MM	850nm	0.3	-7.3 to -1	-11 to -7.5	2
	SV-XFP-ESR	MM	1300nm	2	-6.5 to 0.5	-14.5 to 0.5	5
	SV-XFP-LR1	SM	1310nm	10	-6.5 to 0.5	-15 to 0.5	8.5
	SV-XFP-LR2	SM	1310nm	20	-5 to 1	-15 to 0.5	10
	SV-XFP-ER4	SM	1550nm	40	-1 to 2	-16 to -1	15
	SV-XFP-ZR8	SM	1550nm	80	0 to 4	-24 to -7	24
	SV-XFP-ZR12	SM	1550nm	120	0 to 4	-24 to -7	24

CWDM Dual Fiber Strands XFP Modules

DateRate	Part Number	Type	Wavelength	Distance (km)	TX Power (dBm)	RX Sens. (dBm)	Fiber Budget (dB)
9.95Gb/s to 11.1Gb/s	SV-XFP-10GER4C##	SM	1270nm ~ 1610nm	40	-1 to 2	-16 to -1	15
	SV-XFP-10GZR8C##	SM	1270nm ~ 1610nm	80	0 to 3	-24 to -7	24

Available with option of No DDM ## denotes wavelength range from 1270~1610nm.

27 = 1270nm, 29=1290nm, 31=1310nm, 33=1330nm, 35=1350nm, 37=1370nm, 39=1390nm, 41=1410nm, 43=1430nm, 45=1450nm, 47=1470nm, 49=1490nm, 51=1510nm, 53=1530nm, 55=1550nm,57=1570nm, 59=1590nm, 61=1610nm

C-Band DWDM Dual Fiber Strands XFP Modules

DateRate	Part Number	Type	Wavelength	Distance (km)	TX Power (dBm)	RX Sens. (dBm)	Fiber Budget (dB)
9.95Gb/s to 11.1Gb/s	SV-XFP-10GER4D##	SM	DWDM Wavelength	40	-1 to 2	-15	14
	SV-XFP-10GER8D##	SM	DWDM Wavelength	80	-1 to 3	-24	23

denotes DWDM Wavelength Guide - C-Band Wavelength

Single Fiber Strand XFP Modules

DateRate	Part Number	Type	Wavelength	Distance (km)	TX Power (dBm)	RX Sens. (dBm)	Fiber Budget (dB)
9.95Gb/s to 11.1Gb/s	SV-XFP-LR11	SM	1270 TX 1310 RX	10	-5 to 0	-14.5 to 0.5	9.5
	SV-XFP-LR12	SM	1310 TX 1270 RX	10	-5 to 0	-14.5 to 0.5	9.5
	SV-XFP-LR21	SM	1270 TX 1310 RX	20	-2 to 2	-14.5 to 0.5	12.5
	SV-XFP-LR22	SM	1310 TX 1270 RX	20	-2 to 2	-14.5 to 0.5	12.5
	SV-XFP-LR41	SM	1270 TX 1310 RX	40	0 to 4	-14.5 to 0.5	14.5
	SV-XFP-LR42	SM	1310 TX 1270 RX	40	0 to 4	-14.5 to 0.5	14.5
	SV-XFP-LR51	SM	1270 TX 1310 RX	50	2 to 7	-18 to -7	16
	SV-XFP-LR52	SM	1310 TX 1270 RX	50	2 to 7	-18 to -7	16

For enquires please email to sales@starviewint.com