

- ▶ 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)

TN-XFP-xxx

NEW



Applications

- ▶ 10G Ethernet Switches and Routers
- ▶ 10G Fibre Channel Switch Infrastructure
- ▶ Metro Edge Switching

Features

- ▶ 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)

Additional Features

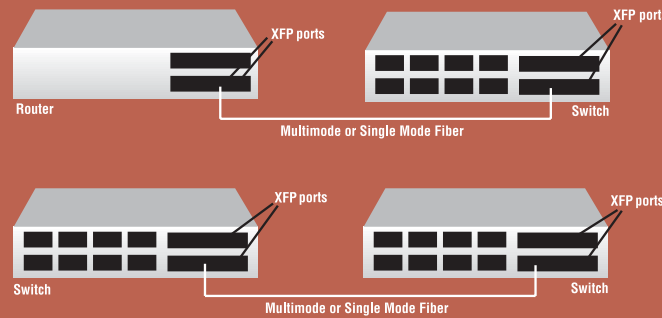
TN-XFP-SR Module:

- ▶ Compliant with IEEE 802.3ae 10GBASE-SR/SW
- ▶ Compliant with 10G Fibre Channel 1200-MX-SN-I
- ▶ Low power Dissipation < 1.2W

TN-XFP-LRx & TN-XFP-ER & TN-XFP-ZR:

- ▶ Compliant with IEEE 802.3ae 10GBASE-LR/LW/ER/ZR
- ▶ Compliant with 10G Fibre Channel 1200-SM-LL-L
- ▶ Compliant with XFI 10G Serial Electrical Interface
- ▶ Low power Dissipation < 2W

Fiber Connections with XFPs



Specifications

Standards	IEEE802.3ae
Output Wavelength	-5.5nm < λ_c < +7.5nm
Dimensions	Width: 0.71" [18mm] Depth: 3.07" [78mm] Height: 0.33" [8mm]
Power	3.3V
Power Consumption	0.66 watts
Environment	TN-XFP-SR, TN-XFP-ZR 0°C - 70°C Operating TN-XFP-LX1, TN-XFP-LR2, TN-XFP-ER -5°C - 70°C Operating TN-XFP-LR1-T, TN-XFP-LR2-T -45°C - 80°C Operating
Operation Humidity	10% to 90% (non-condensing)
Compliance	IEC-60825; FDA 21; CFR 1040.10 and 1040.11
Warranty	Lifetime

Ordering Info

TN-XFP-SR

10GBase-SR/SW/10G Fibre Channel, XFP w/Digital Diagnostics (DMI) 850nm (LC)
[62.5/125uM: 33m/108ft.]
[50/125uM with 500 MHz-km: 269ft.]
[50/125uM: 300m/985ft]
Modal dispersion: 3.9dB

TN-XFP-LR1

10GBase-LR/LW/10G Fibre Channel, XFP w/Digital Diagnostics (DMI) 1310nm (LC)
[10 km/6.2 mi.] Link Budget: 6.2 dB

TN-XFP-LR1-T

10GBase-LR/LW/10G Fibre Channel, XFP w/Digital Diagnostics (DMI) 1310nm (LC)
[10 km/6.2 mi.] Link Budget: 6.2 dB

TN-XFP-LR2

10GBase-LR/LW/10G Fibre Channel, XFP w/Digital Diagnostics (DMI) 1310nm (LC)
[20 km/12.4 mi.] Link Budget: 12.0 dB

TN-XFP-LR2-T

10GBase-LR/LW/10G Fibre Channel, XFP w/Digital Diagnostics (DMI) 1310nm (LC)
[20 km/12.4 mi.] Link Budget: 12.0 dB

TN-XFP-ER

10GBase-LR/ER/10G Fibre Channel, XFP w/Digital Diagnostics (DMI) 1310nm (LC)
[40 km/24.9 mi.] Link Budget: 16.5 dB

TN-XFP-ZR

10GBase-ZR/10G Fibre Channel, XFP w/Digital Diagnostics (DMI) 1550nm (LC)
[80 km/49.7 mi.] Link Budget: 23.0 dB



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Note: Per Cisco Systems literature, the Cisco switches with XFP slots do not accept modules other than Cisco's own XFPs. The Cisco switch identifies the manufacturer ID along with the part number and blocks operations to this port for non-Cisco interfaces. Other major XFP switch manufacturers do not indicate in their literature that such restrictions are imposed.

Transition Networks XFP units fully comply with Multi-Sourcing Agreement (MSA). This compliance allows Transition Networks XFP modules to be used on other MSA-compliant XFP platforms without any problems.

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