

# TN-XFP-10Gxxx Series

## Cisco Compatible 10GBase XFP Modules

### 10GBase-X/10G Fiber Channel/OC-192 (LC) With DMI



Applications include: 10G Ethernet Switches and Routers, 10G Fiber Channel Switch Infrastructure, SONET / SDH Application, and Metro Edge Switching.

## Features

- Hot-Pluggable XFP Optical Transceiver with LC connector
- 10G Small Form-Factor Pluggable (XFP) MSA Compliant
- Compliant with XFP Multi-Sourcing Agreement (MSA)
- INF-8077i Digital Diagnostic Function (DMI)
- Maximum Link Length of 80KM
- Support both +3.3V and +5V Power Supply
- Low Power Dissipation < 3 Watts
- RoHS Compliant (all models)
- Class 1 Laser International Safety Standard IEC 60825 Compliant
- Compliant with IEEE 802.3ae (TN-XFP-10G-MM-SR Module Only)
- 10GBase-SR/SW (TN-XFP-10G-MM-SR Module Only)
- Compliant with 10G Fiber Channel 1200-MX-SN-I (TN-XFP-10G-MM-SR Module Only)
- Compliant with IEEE 802.3ae (TN-XFP-10G-MM-SR Module Only)
- 10Base-LR/LW/ER/EW/ZR/ZW (TN-XFP-10G-MM-SR Module Only)
- Compliant with 10G Fiber Channel (TN-XFP-10G-MM-SR Module Only)
- 1200-SM-LL-L Compliant with SONET (TN-XFP-10G-MM-SR Module Only)
- OC-192 / SDH STM-64 (TN-XFP-10G-MM-SR Module Only)

## Specifications

Standards	IEEE 802.3ae
Output Wavelength	-5.5nm < $\lambda_c$ < +7.5nm
Dimensions	Width: 0.52" [13 mm] Depth: 2.18" [55 mm] Height: 0.33" [8 mm]
Power Input	3.3V, 5V
Environment	Operating: -5°C to 70°C Storage: -40°C to 85°C
Compliance	IEC-60825, FDA 21, CFR 1040.10 and 1040.11
Warranty	Lifetime

Note: The Transition Networks TN-XFP-10Gxxx 10G small form factor pluggables (XFPs) are Cisco Compliant\* and are designed for bi-directional serial-optical data communications such as 10G Ethernet, or 10G Fiber Channel.

\*Transition Networks' XFP modules fully comply with the Multi-Sourcing Agreement (MSA). This compliance allows our XFP modules to be used in all other MSA compliant XFP platforms. In addition, TN-XFP-10Gxxx modules are also Compliant with all Cisco XFP-based equipment, as well as Cisco's IOS software. Transition Networks XFP modules ARE NOT Cisco OEM brand modules.

## Ordering Information

### Duplex

#### TN-XFP-10G-MM-SR

10GBase-SR/SW / 10G Fiber Channel / OC-192 850nm multimode (LC) with DMI  
[62.5/125 uM (OM1): 33 m/108 ft.]  
[50/125 uM (OM2): 82 m/269 ft.]  
[50/125 uM (OM3): 300 m/985 ft.]  
Link Budget: 4.5 dB

#### TN-XFP-10GLR-OC192SR

10GBase-LR/LW 10G Fiber Channel OC-192 1310nm single mode (LC) with DMI  
[10 km/6.2 mi.] Link Budget: 9.4 dB

#### TN-XFP-10GER-OC192IR

10GBase-ER/EW 10G Fiber Channel OC-192 1550nm single mode (LC) with DMI  
[40 km/24.9 mi.] Link Budget: 15.5 dB

#### TN-XFP-10GZR-OC192LR

10GBase-ZR/ZW / 10G Fiber Channel OC-192 1550nm single mode (LC) with DMI  
[80 km/49.7 mi.] Link Budget: 24.0 dB

#### TN-XFP-10GLR2-OC192S

10GBase-LR/LW / 10G Fiber Channel OC-192 1310nm single mode (LC) with DMI  
[20 km/12.4 mi.] Link Budget: 9.0 dB