

# TN-SFP-LX Series

## MSA Compliant 1000Base Fiber Channel SFP Modules

### 1000Base-LX Single Mode (LC)



TN-SFP-LX1

Applications include: Gigabit Ethernet Switches and Routers, Fiber Channel Switch Infrastructure, xDSL Applications, and Metro Edge Switching.

## Features

- Hot-Pluggable SFP Footprint Optical Transceiver
- Digital Diagnostic Function
- Class 1 Laser International Safety Standard IEC-60825 Compliant
- Compliant with SFP Multi-Sourcing Agreement (MSA)

## Specifications

Standards	IEEE 802.3
Dimensions	Width: 0.52" [13 mm] Depth: 2.18" [55 mm] Height: 0.33" [8 mm]
Power Consumption	0.66 Watts
Power Input	3.3V
Environment	Operating: 0°C to 70°C Operating: -10°C to 85°C (TN-SFP-LX1) Operating: -40°C to 85°C (TN-SFP-LX1T)
Compliance	IEC-60825, FDA 21, CFR 1040.10 and 1040.11
Warranty	Lifetime

Note: Per Cisco Systems' literature, the Cisco switches with SFP slots do not accept modules other than Cisco's own SFPs. The Cisco switch identifies the manufacturer ID along with the part number and blocks operations to this port for non-Cisco interfaces.

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

## Ordering Information

### Duplex

#### TN-SFP-LX1

1000Base-LX 1310nm single mode (LC) with DMI [10 km/6.2 mi.] Link Budget: 11.5 dB

#### TN-SFP-ELX1

1000Base-LX 1310nm single mode (LC) [10 km/6.2 mi.] Link Budget: 11.5 dB

#### TN-SFP-ELX1-PK

Pack of (20) TN-SFP-ELX1

#### TN-SFP-LX3

1000Base-LX 1310nm single mode (LC) with DMI [30 km/18.6 mi.] Link Budget: 19.0 dB

#### TN-SFP-LX5

1000Base-LX 1550nm single mode (LC) with DMI [50 km/31.1 mi.] Link Budget: 19.0 dB

#### TN-SFP-LX8

1000Base-LX 1550nm single mode (LC) with DMI [80 km/49.7 mi.] Link Budget: 24.0 dB

#### TN-SFP-LX16

1000Base-LX 1550nm single mode (LC) with DMI [160 km/99.4 mi.] Link Budget: 37.0 dB

#### TN-SFP-LX20

1000Base-LX 1550 nm (LC) single mode with DMI [200 km/124.3 mi.] Link Budget: 41.0 dB

Extended Operating Temperature  
-40°C to +85°C

#### TN-SFP-LX1T

1000Base-LX 1310nm single mode (LC) with DMI [10 km/6.2 mi.] Link Budget: 11.5 dB

#### TN-SFP-LX3T

1000Base-LX 1310nm single mode (LC) with DMI [30 km/18.6 mi.] Link Budget: 19.0 dB