

# TN-SFP-LXB Series

## MSA Compliant 1000Base Fiber Channel SFP Modules

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



TN-SFP-LXB11

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: -40°C to 85°C (TN-SFP-LXBxxT)
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

### Simplex

#### TN-SFP-LXB11

1000Base-LX 1310nm TX/1550nm RX single mode (LC) with DMI  
[10 km/6.2 mi.] Link Budget: 11.0 dB

#### TN-SFP-LXB12

1000Base-LX 1550nm TX/1310nm RX single mode (LC) with DMI  
[10 km/6.2 mi.] Link Budget: 11.0 dB

#### TN-SFP-LXB21

1000Base-LX 1310nm TX/1550nm RX single mode (LC) with DMI  
[20 km/12.4 mi.] Link Budget: 14.0 dB

#### TN-SFP-LXB22

1000Base-LX 1550nm TX/1310nm RX single mode (LC) with DMI  
[20 km/12.4 mi.] Link Budget: 14.0 dB

#### TN-SFP-LXB41

1000Base-LX 1310nm TX/1550nm RX single mode (LC) with DMI  
[40 km/24.9 mi.] Link Budget: 20.0 dB

#### TN-SFP-LXB42

1000Base-LX 1550nm TX/1310nm RX single mode (LC) with DMI  
[40 km/24.9 mi.] Link Budget: 20.0 dB

#### TN-SFP-LXB61

1000Base-LX 1310nm TX/1550nm RX single mode (LC) with DMI  
[60 km/37.3 mi.] Link Budget: 23.0 dB

#### TN-SFP-LXB62

1000Base-LX 1550nm TX/1310nm RX single mode (LC) with DMI  
[60 km/37.3 mi.] Link Budget: 23.0 dB

#### TN-SFP-LXB81

1000Base-LX 1510nm TX/1590nm RX single mode (LC) with DMI  
[80 km/49.7 mi.] Link Budget: 24.0 dB

#### TN-SFP-LXB82

1000Base-LX 1590nm TX/1510nm RX single mode (LC) with DMI  
[80 km/49.7 mi.] Link Budget: 24.0 dB

#### TN-SFP-LXB161

1000Base-LX 1510nm TX/1590nm RX single mode (LC) with DMI  
[160 km/99.4 mi.] Link Budget: 37.0 dB

#### TN-SFP-LXB162

1000Base-LX 1590nm TX/1510nm RX single mode (LC) with DMI  
[160 km/99.4 mi.] Link Budget: 37.0 dB

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

#### TN-SFP-LXB11T

1000Base-LX 1310nm TX/1550nm RX single mode (LC) with DMI  
[10 km/6.2 mi.] Link Budget: 11.0 dB

#### TN-SFP-LXB12T

1000Base-LX 1550nm TX/1310nm RX single mode (LC) with DMI  
[10 km/6.2 mi.] Link Budget: 11.0 dB

#### TN-SFP-LXB21T

1000Base-LX 1310nm TX/1550nm RX single mode (LC) with DMI  
[20 km/12.4 mi.] Link Budget: 14.0 dB

#### TN-SFP-LXB22T

1000Base-LX 1550nm TX/1310nm RX single mode (LC) with DMI  
[20 km/12.4 mi.] Link Budget: 14.0 dB