

# TN-SFP-LX8-Cxxx Series

## MSA Compatible CWDM SFP Modules

### 1000Base-LX/Fiber Channel 1x Single Mode (LC) With DMI



Applications include: 10G Ethernet Switches and Routers, Gigabit Ethernet Switches and Routers, Fiber Channel Switch Infrastructure, xDSL Applications, and Metro Edge Switching.

## Features

- Coarse Wavelength Division Multiplexing (CWDM) ITU Grid Compliant Wavelengths
- Hot-Pluggable SFP Footprint Duplex LC Optical Transceiver
- Digital Diagnostic Function (DDMI)
- Class 1 Laser International Safety Standard IEC-60825 Compliant
- Compliant with SFP Multi-Sourcing Agreement (MSA)
- Compliant with IEEE 802.3z Gigabit Ethernet
- Compliant with Fiber Channel 1X SM-LC-L FC-PI (Can be used on Optical Line Converter xFMFF4040-100)

## Specifications

Standards	IEEE 802.3 2003 ANSI X3.297-1997 (see additional standards by part number to the left)
Output Wavelength	$-5.5\text{nm} < \lambda_c < +7.5\text{nm}$
Typical Data Rate	1250Mbps
Minimum Data Rate	100Mbps
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-LX8-CxxT)
Compliance	IEC-60825, FDA 21, CFR 1040.10 and 1040.11
Warranty	Lifetime

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-LX8-Cxx

1000Base-LX/Fiber Channel 1x single mode (LC) with DMI  
[80 km/49.7 mi.] Link Budget: 24.0 dB

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

#### \*\*TN-SFP-LX8-CxxT

1000Base-LX/Fiber Channel 1x single mode (LC) with DMI  
[80 km/49.7 mi.] Link Budget: 24.0 dB

\*\*Note: TN-SFP-LX8-CxxT:  
xx = 47, 49, 51, 53, 55, 57, 59, 61

xx = center wavelength (nm)

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