

# TN-GLC-FE-100BX Series

## Cisco Compatible 100Base SFP Modules

### 100Base-BX Single Fiber Single Mode (LC)



TN-GLC-FE-100BX-U

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

## Features

- Hot-Pluggable SFP Footprint Duplex LC Optical Transceiver
- Compliant with SFP Multi-Sourcing Agreement (MSA)
- Compliant with Intermediate-Reach SONET OC-3/SDH STM-1 (S-1.1)

## Specifications

Standards	IEEE 802.3 IEEE 802.3ah
Dimensions	Width: 0.52" [13 mm] Depth: 2.18" [55 mm] Height: 0.33" [8 mm]
Power Consumption	1.0 Watts
Power Input	3.3V
Environment	Operating: 0°C to 70°C Storage: -40°C to 85°C TN-GLC-FE-xxx-RGD Operating: -40°C to 85°C Storage: -40°C to 100°C
Compliance	IEC-60825, FDA 21, CFR 1040.10 and 1040.11
Warranty	Lifetime

Note: The Transition Networks TN-GLC-FE-100BX series small form factor pluggable (SFP) transceiver modules are designed to install in any SFP port allowing for 100Base-BX interfaces to the network through the SFP connector. The TN-GLC-FE-100BX transceivers are Cisco Compliant\* and are designed for bi-directional serial-optical data communication such as Fast Ethernet or OC3 at speeds up to 155 Mbps.

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

## Ordering Information

### Simplex

#### TN-GLC-FE-100BX-U

100Base-BX 1310nm TX/1550nm RX  
single fiber single mode (LC)  
[10 km/6.2 mi.] Link Budget: 14.0 dB

#### TN-GLC-FE-100BX-U-20

100Base-BX 1310nm TX/1550nm RX  
single fiber single mode (LC)  
[20 km/12.4 mi.] Link Budget: 14.0 dB

#### TN-GLC-FE-100BX-U-40

100Base-BX 1310nm TX/1550nm RX  
single fiber single mode (LC)  
[40 km/24.9 mi.] Link Budget: 26.0 dB

#### TN-GLC-FE-100BX-D

100Base-BX 1550nm TX/1310nm RX  
single fiber single mode (LC)  
[10 km/6.2 mi.] Link Budget: 14.0 dB

#### TN-GLC-FE-100BX-D-20

100Base-BX 1550nm TX/1310nm RX  
single fiber single mode (LC)  
[20 km/12.4 mi.] Link Budget: 14.0 dB

#### TN-GLC-FE-100BX-D-40

100Base-BX 1550nm TX/1310nm RX  
single fiber single mode (LC)  
[40 km/24.9 mi.] Link Budget: 26.0 dB

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

#### TN-GLC-FE-100BX-URGD

100Base-BX 1310nm TX/1550nm RX  
single fiber single mode (LC) with DMI  
[20 km/12.4 mi.] Link Budget: 14.0 dB

#### TN-GLC-FE-U-40-RGD

100Base-BX 1310nm TX/1550nm RX  
single fiber single mode (LC) with DMI  
[40 km/24.9 mi.] Link Budget: 26.0 dB

#### TN-GLC-FE-100BX-DRGD

100Base-BX 1550nm TX/1310nm RX  
single fiber single mode (LC) with DMI  
[20 km/12.4 mi.] Link Budget: 14.0 dB

#### TN-GLC-FE-D-40-RGD

100Base-BX 1550nm TX/1310nm RX  
single fiber single mode (LC) with DMI  
[40 km/24.9 mi.] Link Budget: 26.0 dB