TN-SFP-10G-xR Series

Cisco Compatible 10GBase SFP+ Modules

10GBase-X, SFP+ With DMI (LC)

TRANSITION NETWORKS®

TN-SFP-10G-LRM

Applications include: 10G Ethernet Switches and Routers and Metro Edge Switching.

Features

- SFP+ Optical Transceiver with LC connector
- 10G Small Form-Factor Pluggable (SFP+) MSA Compliant
- Compliant with 10GBase-SR/LR/LRM
- SFF-8472 Digital Diagnostic Function (DMI)
- Maximum Link Length of 100 km
- Single +3.3V Power Supply
- RoHS Compliant

Specifications

Standards	IEEE 802.3z IEEE 802.3 IEEE 802.3ae
Output Wavelength	-5.5nm < λ_c < +7.5nm
Dimensions	Width: 0.52" [13 mm] Depth: 2.18" [55 mm] Height: 0.33" [8 mm]
Power Input	3.3V
Environment	Operating: 0°C to 70°C Storage: -40°C to 85°C
Compliance	IEC-60825, FDA 21, CFR 1040.10 and 1040.11 UL (specific SKUs only)
Warranty	Lifetime

Note: The Transition Networks TN-SFP-10G-xR series 10G SFP+ transceiver modules are designed to install in any SFP+ port allowing for 10GBase-X interfaces to the network through the SFP+ connector. The TN-SFP-10G-xR transceivers are Cisco Compliant* and are designed for bi-directional serial-optical data communication such as 10G Ethernet at speeds up to 10.3 Gbps.

*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 module

Ordering Information

Duplex

*TN-SFP-10G-SR
10GBase-SR, SFP+
with DMI 850nm multimode (LC)
[300/82/33 m; 985/269/108 ft.]
Link Budget: 4.0 dB; UL Listed

TN-SFP-10G-LRM
10GBase-LRM, SFP+
with DMI 1310nm multimode (LC)
[220m; 722 ft.] Link Budget: 1.5 dB

TN-SFP-10G-LR
10GBase-LR, SFP+
with DMI 1310nm single mode (LC)
[10 km/6.2 mi.] Link Budget: 9.0 dB; UL Listed

TN-SFP-10G-ER
10GBase-ER, SFP+
with DMI 1550nm single mode (LC)
[40 km/24.9 mi.] Link Budget: 15.8 dB

TN-SFP-10G-ZR
10GBase-ZR, SFP+
with DMI 1550nm single mode (LC)
[80 km/49.7 mi.] Link Budget: 24.0 dB

TN-SFP-10G-ZR-10
10GBase-ZR, SFP+ with DMI
1550nm single mode (LC)
[100 km/62.1 mi.] Link Budget: 26.0 dB

TN-SFP-10G-LR-PK
Pack of (20) TN-SFP-10G-LR

TN-SFP-10G-SR-PK
Pack of (20) TN-SFP-10G-SR

Distance up to 300m on 50/125 OM3/OM4 multimode fiber, up to 82 m for 50/125 um multimode fiber with model.

Bandwidth 500 MHz-km at 850nm, and up to 33 m for 62.5/125 um multimode fiber with model bandwidth 200 MHzkm at 850nm.

SFPs & CWDM