TN-X2-10GB-xx Series

Cisco Compliant 10GBase X2 Modules

X2 10GBase-X With DMI (SC)

TRANSITION NETWORKS®

TN-X2-10GB-SR

Ordering Information

Duplex

TN-X2-10GB-SR
10GBase-SR X2 with DMI
850nm multimode (SC)
[62.5/125 uM (OM1): 33 m/108 ft.]
[50/125 uM (OM2): 82 m/269 ft.]
[50/125 uM (OM3): 300 m/985 ft.]
Link Budget: 4.1dB

TN-X2-10GB-LRM
10GBase-LRM X2 with DMI
1310nm multimode (SC)
[220 m/722 ft.] Link Budget: 2.0dB

TN-X2-10GB-LR
10GBase-LR X2 with DMI
1310nm single mode (SC)
[10 km/6.2 mi.] Link Budget: 9.4dB

TN-X2-10GB-ER
10GBase-ER X2 with DMI
1550nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 15.5dB

TN-X2-10GB-ZR
10GBase-ZR X2 with DMI
1550nm single mode (SC)
[80 km/49.7 mi.] Link Budget: 24.0dB

Features

- X2 Optical Transceiver with duplex SC connector

- 10G X2 MSA Release10.b Compliant

- SFF8472 Digital Diagnostic Function (DMI)

- XAUI Electrical Interface: 4 Lanes at 3.125 Gbps

- Support +5V, +3.3V Power Supply

- RoHS Compliant (all models)

- Class 1 Laser International Safety Standard IEC 60825 Compliant

- Compliant with IEEE 802.3ae 10GBase-SR (TN-X2-10GB-SR Module Only)

- Compliant with IEEE 802.3aq 10GBase-LRM (TN-X2-10GB-LRM Module Only)

- Compliant with IEEE 802.3ae 10GBase-LR (TN-X2-10GB-LR Module Only)

- Compliant with IEEE 802.3ae 10GBase-ER (TN-X2-10GB-ER Module Only)

- Compliant with IEEE 802.3ae 10GBase-ZR (TN-X2-10GB-ZR Module Only)

Specifications

Standards	IEEE 802.3ae
Dimensions	Width: 1.42" [36 mm] Depth: 3.58" [91 mm] Height: 0.53" [13.46 mm]
Power Consumption	4.0 Watts
Power Input	+5 V, +3.3 V
Environment	Operating: 0°C to 70°C Storage: -40°C to 80°C
Compliance	IEC-60825, FDA21, CFR 1040.10 & 1040.11
Warranty	Lifetime

Note: The Transition Networks' TN-X2-10GB-xx series X2 modules are designed to install in any X2 port allowing for 10GBase-SR, 10GBase-LR or 10GBase-ER interfaces to the network through X2 connector. The TN-X2-10GB-xx modules 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' X2 modules fully comply with the Multi-Sourcing Agreement (MSA). This compliance allows our X2 modules to be used in all other MSA compliant X2 platforms. In addition, Transition Networks X2 modules are also Compliant with all Cisco X2-based routes and switches, as well as Cisco's IOS software. Transition Networks X2 modules ARE NOT Cisco OEM brand Modules.