NEW PRODUCT

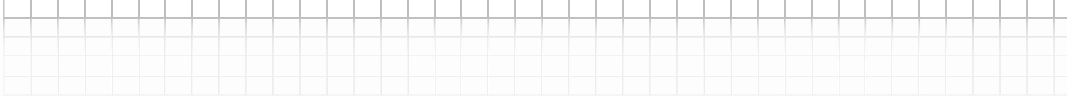# TN-X2-10GB-xx

X2 Modules

Features

▶ X2 Optical Transceiver with duplex SC connector

▶ 10G X2 MSA Release10.b compatible

▶ SFF8472 Digital Diagnostic Function (DMI)

▶ XAUI Electrical Interface: 4 Lanes @ 3.125 Gbps

▶ Support +5V, +3.3V Power Supply

▶ RoHS Compliant (all models)

▶ Class 1 Laser International Safety Standard IEC 60825 Compliant

Additional Features

▶ **TN-X2-10GB-SR**
Compliant with IEEE 802.3ae 10GBASE-SR

▶ **TN-X2-10GB-LRM**
Compliant with IEEE 802.3aq 10GBASE-LRM

▶ **TN-X2-10GB-LR**
Compliant with IEEE 802.3ae 10GBASE-LR

▶ **TN-X2-10GB-ER**
Compliant with IEEE 802.3ae 10GBASE-ER

▶ **TN-X2-10GB-ZR**
Compliant with IEEE 802.3ae 10GBASE-ZR

Specifications

Standards	IEEE Std. 802.3ae
Dimensions	**Width:** 1.42" [36 mm] **Depth:** 3.58" [91 mm] **Height:** 0.53" [13.46 mm]
Power	+5 V, +3.3 V
Power Consumption	4.0 Watts
Environment	0 – 70°C operating -40 – 80°C storing
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 compatible 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, TN X2 modules are also compatible with all Cisco X2-based routes and switches, as well as Cisco's IOS software. TN X2 modules ARE NOT Cisco OEM brand Modules.

Ordering Information

TN-X2-10GB-SR
10GBase-SR
X2 w/Digital Diagnostics (DMI)
850nm MM (SC)
[62.5/125 uM: 33 m/108 ft]
[50/125 uM: 300 m/985 ft]
Link Budget: 4.1dB

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

TN-X2-10GB-LR
10GBase-LR
X2 w/Digital Diagnostics (DMI)
1310nm SM (SC)
[10 km/6.2 mi.] Link Budget: 9.4dB

TN-X2-10GB-ER
10GBase-ER
X2 w/Digital Diagnostics (DMI)
1550nm SM (SC)
[40 km/24.9 mi.] Link Budget: 15.5dB

TN-X2-10GB-ZR
10GBase-ZR
X2 w/Digital Diagnostics (DMI)
1550nm SM (SC)
[80 km/49.7 mi.] Link Budget: 24.0dB