

point system™ slide-in-module network interface device

CSDTFx0xx-12x

Remotely Managed T1/E1 NID (Network Interface Device)

see also: T1/E1 Stand-Alone NID

T1/E1

Point System™

T1/E1 Copper to Fiber With Remote Management

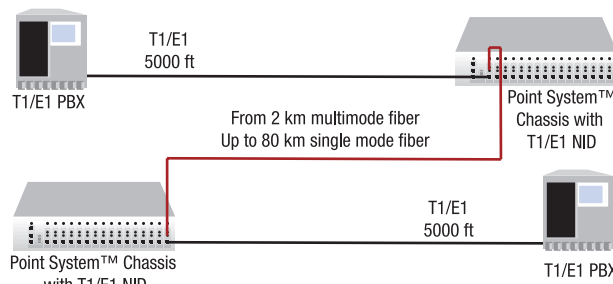


Features

- ▶ Remote in-band management
- ▶ Local or Remote Loopbacks on copper or fiber in software mode
- ▶ Loopback switch facilitates local installation
- ▶ Converts the copper ports on T1/E1 devices, such as a PBX or T1/E1 Router, to multimode or single mode fiber
- ▶ Switch selectable RJ-48 connectors for T1 or E1
- ▶ Jitter attenuators optimize Bit Error Rate (BER) performance
- ▶ Network debug procedures make BER testing more convenient
- ▶ Built-in troubleshooting with the addition of a selectable TAOS (Transmit All Ones) switch on the fiber and copper interfaces allows the network engineer to test all T1/E1 equipment on that network segment and ensure the network link
- ▶ Dry Relay Contacts enable the device to be tied into a separate alarm circuit commonly found in a T1/E1 twisted pair environment. Contacts will be activated on loss of power or loss of fiber link.
- ▶ Field Upgradeable Firmware
- ▶ LED provides Alarm Indication Signal (AIS)
- ▶ Can be used with fractional T1/E1 circuits
- ▶ Extend PRI over fiber

Provide Campus Interconnects

With the exception of Ethernet, T1/E1 is one of the most common campus/metropolitan area networking interconnects. A copper to fiber conversion on the premise side of the T1/E1 makes it easier to integrate voice traffic, frame relay or IP type traffic on your fiber network.



Devices must be used in pairs. Typical installation will include a chassis installed in the Point System™ locally and a stand-alone device installed at the remote location.

Specifications

Standards	ITU-T, ANSI, AT&T, ETSI
3-position Jumper	Hardware: NID mode is determined by 4-position switch settings Software: NID mode is determined by most recently saved on-board microprocessor settings
Status LEDs	PWR (Power): Steady green LED indicates connection to external AC power SDC (Signal Detect/Copper): On indicates twisted pair link is up SDF (Signal Detect/Fiber): On indicates fiber link is up
Dimensions	Width: 0.86" [22 mm] Depth: 5.0" [127 mm] Height: 3.4" [86 mm]
Power Consumption	6.0 Watts
Environment	See chassis specifications
Shipping Weight	1 lb. [0.45 kg]
Regulatory Compliance	CISPR/EN55022 Class A; FCC Class A; CE Mark
Warranty	Lifetime

Ordering Information

- CSDTF1011-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 850nm multimode (ST)
[2 km/1.2 mi.] Link Budget: 13.5 dB
- CSDTF1013-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 850nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 13.5 dB
- CSDTF1027-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1300nm multimode (ST)
[5 km/3.1 mi.] Link Budget: 13.5 dB
- CSDTF1012-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1310nm single mode (ST)
[8 km/5 mi.] Link Budget: 7.0 dB
- CSDTF1022-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1310nm single mode (ST)
[15 km/9.3 mi.] Link Budget: 10.0 dB
- CSDTF1014-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
- CSDTF1015-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 30.0 dB
- CSDTF1016-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1310nm single mode (SC)
[60 km/37.3 mi.] Link Budget: 33.0 dB
- CSDTF1017-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1550nm single mode (SC)
[80 km/49.7 mi.] Link Budget: 29.0 dB
- Single Fiber Products**
Recommended use in pairs
- CSDTF1029-120**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1310nm TX /1550nm RX single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- CSDTF1029-121**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1550nm TX /1310nm RX single fiber SM (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- CSDTF1029-122**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1310nm TX /1550nm RX single fiber SM (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB
- CSDTF1029-123**
Twisted Pair (RJ-48) [1.5 km/0.9 mi.] to 1550nm TX /1310nm RX single fiber SM (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB