

# CSDTFx0xx-12x

## Remotely Managed T1/E1 NID (Network Interface Device)



### 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 card installed in the Point System™ locally and a stand-alone device [SSDTF, installed at the remote location.

### Specifications

Standards	ITU-T, ANSI, AT&T, ETSI
3-position Jumper	<b>Hardware:</b> NID mode is determined by 4-position switch settings <b>Software:</b> NID mode is determined by most recently saved on-board microprocessor settings
Status LEDs	<b>PWR (Power):</b> Steady green LED indicates connection to external AC power <b>SDC (Signal Detect/Copper):</b> On indicates twisted pair link is up <b>SDF (Signal Detect/Fiber):</b> On indicates fiber link is up
Dimensions	<b>Width:</b> 0.86" [22 mm] <b>Depth:</b> 5.0" [127 mm] <b>Height:</b> 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.]  
1310nm single mode (ST)  
[8 km/5 mi.] Link Budget: 7.0 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

### Single Fiber Products

#### 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