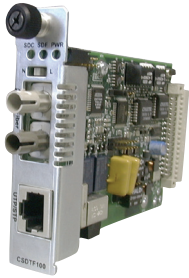


CSDTF Series

Remotely Managed DS1 - T1/E1 Network Interface Device (NID)



The CSDTF Series is a managed T1/E1 Network Interface Device module that provides a solution for users that need to extend T1/E1 connections over fiber. These devices must be used in pairs, with typical installations including a chassis card installed in the Point System™ locally and a stand-alone device (SSDTF) installed at the remote location.

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

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" [127 mm] Height: 3.4" [86 mm]
Power Consumption	6.0 Watts
Environment	Environment specs are dependent on the chassis chosen Operating: 0°C to 50°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1 lb. [0.45 kg]
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 single mode (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 single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB