

CCSCF Series

DS3 - T3/E3 and STS-1 Coax to Fiber NID



The CCSCF family of chassis card DS3 – T3/E3 & STS-1 copper to fiber Network Interface Devices (NIDs) provide a solution for those users that need to extend DS3 connections over fiber. The CCSCF supports Small Form Factor Pluggable (SFP) transceivers to support a variety of fiber types, distances and wavelengths to provide maximum flexibility across a variety of network topologies. The use of Coarse Wave Division Multiplexing (CWDM) SFPs can be utilized to further increase the bandwidth capacity of the fiber infrastructure.

The CCSCF DS3 – T3/E3 & STS-1 NID must be used in pairs. A typical installation will include a chassis card installed in the Point System™ locally and a stand-alone device [SCSCF] installed at the remote location.

Features

- AIS (Alarm Indication Signal)
- Coax Line Build Out
- Switch selectable for DS3/T3 or E3
- Loopback – Coax and Fiber
- LEDs for immediate visual status
- Supports dual or single fiber
- Supports multimode and single mode fiber at a variety of distances
- Supports CWDM SFPs
- SNMP management when used with Point System™ chassis and management module
- Field Upgradeable Firmware when used with Point System™ Chassis and management module

Specifications

Standards	ANSI, ITU-TS, ETSI, AT&T, G.703, G.921, G.955
Coax Connectors	75ohm coax TX Output - min: +2.5 dBm; max: +9.1 dBm; RX Input - min: -9.7 dBm; max: +10.5 dBm
Fiber Connectors	SFP: LC connector uses standard 100Base-X/OC-3 SFP
Data Rates	DS3/T3 = 44.7 Mbps E3 = 34.4 Mbps STS-1 = 51.8 Mbps
Status LEDs	Power, Coax link status, coax loop-back status, AIS on coax link; Fiber link status, fiber loop-back status, AIS on fiber link
Dimensions	Width: 0.87" [22 mm] Depth: 5" [127 mm] Height: 3.4" [86 mm]
Power Consumption	3.0 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	FCC Class A, CISPR22/EN55022 Class A, CE mark
MTBF	Greater than 250,000 hours (MIL-HDBD-217F) Greater than 687,000 hours (Bellcore)
Warranty	Lifetime

Ordering Information

CCSCF3011-110

(2) Coax (BNC) to 1300nm multimode (ST)
[2 km/ 1.2 mi.] Link Budget: 14.0 dB

CCSCF3013-110

(2) Coax (BNC) to 1300nm multimode (SC)
[2 km/ 1.2 mi.] Link Budget: 14.0 dB

CCSCF3014-110

(2) Coax (BNC) to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

CCSCF3040-110

(2) Coax (BNC) to SFP slot (empty)

Single Fiber Products

CCSCF3029-110

(2) Coax (BNC) to 1310nm TX/1550nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

CCSCF3029-111

(2) Coax (BNC) to 1550nm TX/1310nm RX
single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB

NOTE: These products are Build To Order