



point system™ slide-in-module network interface device

see also: DS3-T3/E3 Point System™ Stand-Alone NID

CCSCF30xx-11x

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



The DS3 – T3/E3 & STS-1 copper to fiber network interface device (NID) provides a solution for those users that need to extend DS3 connections over fiber.

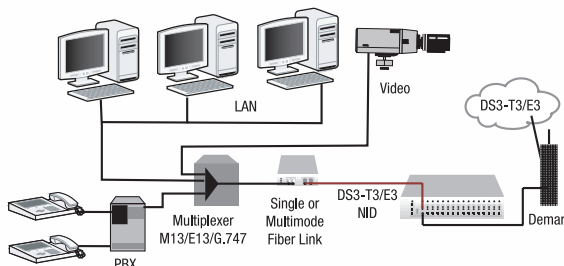
The DS3 – T3/E3 & STS-1 supports Small Form Pluggable (SFP) transceivers to support a variety of fiber types, distances and wavelengths to provide maximum flexibility across a variety of network topologies. The use of Coarse Wave Division Multiplexing (CWDM) SFPs can be utilized to further increase the bandwidth capacity of the fiber infrastructure.

The 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 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

Integrate Voice & Data on Fiber Network



Specifications

Standards	ANSI, ITU-TS, ETSI, AT&T, G.703, G.921 & G.955	
Coax Connectors	75 ohm coax	
	TX output min: +2.5 dBm max: +9.1 dBm	RX input min: -9.7dBm 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 LED	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: .87" [22 mm]; Depth: 5.0" [127 mm]; Height: 3.4" [86 mm]	
Power Consumption	3.0 Watts	
Environment	see chassis specifications	
Shipping Weight	1.0 lbs. [0.45 kg]	
Regulatory Compliance	CISPR/EN55022 Class A; FCC 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

CCSCF3015-110
(2) Coax (BNC)
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 29.0 dB

CCSCF3016-110
(2) Coax (BNC)
to 1310nm single mode (SC)
[60 km/37.3 mi.] Link Budget: 32.0 dB

CCSCF3017-110
(2) Coax (BNC)
to 1550nm single mode (SC)
[80 km/49.7 mi.] Link Budget: 29.0 dB

CCSCF3040-110
(2) Coax (BNC)
to SFP slot (empty)

Single Fiber Products

Recommended use in pairs

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

CCSCF3029-112
(2) Coax (BNC)
to 1310nm TX/1550nm RX single fiber
single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

CCSCF3029-113
(2) Coax (BNC)
to 1550nm TX/1310nm RX single fiber
single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB

CCSCF3029-114
(2) Coax (BNC)
to 1310nm TX/1550nm RX single fiber
single mode (SC)
[60 km/37.3 mi.] Link Budget: 29.0 dB

CCSCF3029-115
(2) Coax (BNC)
to 1550nm TX/1310nm RX single fiber
single mode (SC)
[60 km/37.3 mi.] Link Budget: 29.0 dB

CCSCF3029-116

(2) Coax (BNC)
to 1310nm TX/1550nm RX single fiber
single mode (SC)
[80 km/49.7 mi.] Link Budget: 33.0 dB

CCSCF3029-117
(2) Coax (BNC)
to 1550nm TX/1310nm RX single fiber
single mode (SC)
[80 km/49.7 mi.] Link Budget: 32.0 dB

*The CCSCF30xx-110 will only work with another CCSCF30xx-110 or SCSCF30xx110. The product does not work with a -10x model.