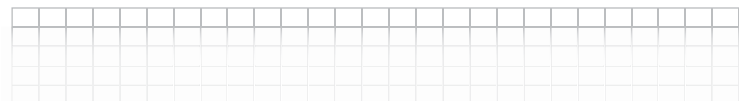


SCSCF30xx-11x

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

Optional Accessories (sold separately)

Wide Input (24 – 60 VDC) Power Supplies:

SPS-2460-PS

Piggy Back Power Supply

SPS-2460-SA

Stand-Alone Power Supply

Mounting Options:

E-MCR-05

12-Slot Media Converter Rack

WMBD

DIN Rail Bracket 5.0" [127 mm]

WMBD-F

DIN Rail Bracket (flat) 3.3" [84 mm]

WMBL

Wall Mount Bracket 4.0" [102 mm]

WMBV

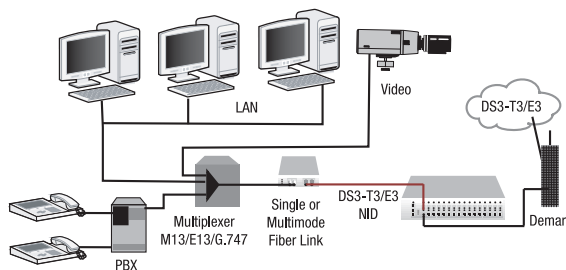
Vertical Wall Mount Bracket 5.0" [127 mm]

RMS19-SA4-01

4-Slot Media Converter Shelf



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: 3.25" [83 mm]; Depth: 4.7" [119 mm]; Height: 1.0" [25 mm]	
Power Consumption	3.0 Watts	
Power Supply	12 VDC, 0.8 Amp (minimum)	
Environment	Operating Temperature 0° to 50°C (32° to 122°F) Humidity 5-95% non-condensing Storage Temperature -20° to 85°C (-4° to 185°F)	
Shipping Weight	2.0 lbs. [0.90 kg]	
Regulatory Compliance	CISPR/EN55022 Class A; FCC Class A; CE Mark	
MTBF w/ Power Supply	Greater than 41,660 hours (MIL-HDBD-217F) Greater than 114,580 hours (Bellcore)	
MTBF w/o Power Supply	Greater than 250,000 hours (MIL-HDBD-217F) Greater than 687,000 hours (Bellcore)	
Warranty	Lifetime	

Ordering Information

SCSCF3011-110

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

SCSCF3013-110

(2) Coax (BNC)
to 1310nm multimode (SC)
[2 km/1.2 mi.] Link Budget: 14.0 dB

SCSCF3014-110

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

SCSCF3015-110

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

SCSCF3016-110

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

SCSCF3017-110

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

SCSCF3040-110

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

Single Fiber Products

Recommended use in pairs

SCSCF3029-110

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

SCSCF3029-111

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

SCSCF3029-112

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

SCSCF3029-113

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

SCSCF3029-114

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

SCSCF3029-115

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

SCSCF3029-116

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

SCSCF3029-117

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

*The SCSCF3040-110 will only work with another CCSCF3040-110 or SCSCF3040-110. The product does not work with a -10x model.