

DS3-T3/E3 Coax to Fiber Media Converter



- ▶ Extend a DS3 or E3 over fiber

SCSCF30xx-10x



The DS3-T3/E3 copper to fiber media converter will provide a solution for those users that desire to extend the point of presence of their DS3 or E3 Connection or use it to connect remote locations via T3/E3.

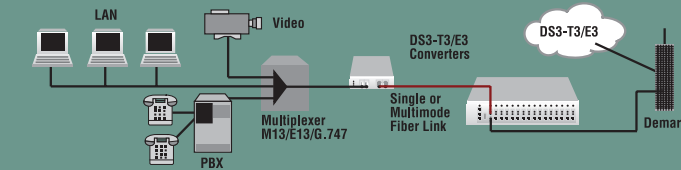
Features

- ▶ AIS (Alarm Indication Signal) All 1's or Blue detected on both ports. (unframed)
- ▶ AIS generated in both directions selectable Blue or 1's.
- ▶ Digital Loopback on fiber & copper ports
- ▶ Coax Line build out for operation less than 255 feet or 255 feet to 1000 feet.
- ▶ Switch selectable DS3/T3 or E3 rate
- ▶ LED indications for all operation modes
- ▶ Supports fractional/channelized DS3/E3
- ▶ STS-1 optional

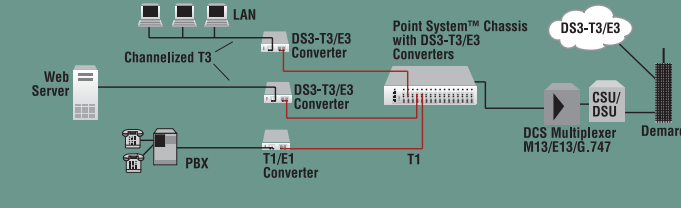
Fiber Optic Connector Specs

SKU	Min TX PWR (dBm)	Max TX PWR (dBm)	RX Sens (dBm)	Max In PWR (dBm)	Link Budget (dB)
SCSCF3011-100	-19.0	-14.0	-30.0	-14.0	11.0
SCSCF3013-100	-19.0	-14.0	-30.0	-14.0	11.0
SCSCF3014-100	-15.0	-8.0	-31.0	-8.0	16.0
SCSCF3015-100	-8.0	-2.0	-34.0	-7.0	26.0
SCSCF3016-100	-5.0	0.0	-34.0	-7.0	29.0
SCSCF3017-100	-5.0	0.0	-34.0	-7.0	29.0
SCSCF3018-100	-19.0	-14.0	-33.5	-14.0	14.5
SCSCF3029-100	-13.0	-6.0	-32.0	-3.0	19.0
SCSCF3029-101	-13.0	-6.0	-32.0	-3.0	19.0
SCSCF3029-102	-8.0	-3.0	-33.0	-3.0	25.0
SCSCF3029-103	-8.0	-3.0	-33.0	-3.0	25.0

Integrate Voice & Data on Fiber Network



Upgrade from Multiple T1



Specifications

Standards	ANSI, ITU-TS, AT&T, ETSI, G.703, G.921 and G.956
Switches	SW1: DS3/E3 selector: On for E3 SW2: Coax Line build out: On for less than 255 feet of cable SW3: AIS (unframed) transmit: On for transmit AIS if receive loss of carrier SW4: AIS Blue/AIS All 1's: On for Blue alarm Front Switch: Right/Left – loop-back fiber/copper, Center – Normal
Jumpers	Jumper (J11): Connect output coax port to chassis ground (per G.703) Jumper (J12): Connect input coax port to chassis ground (per G.703)
Status LEDs	PWR (Power): On for normal operation SDC Copper: Green – Link is up; Green Flashing – Coax is in loop-back mode; Yellow – AIS (unframed) detected. SDF Fiber: Green – Link is up; Green Flashing – Fiber is in loop-back mode; Yellow – AIS (unframed) detected.
Dimensions	Width: 3.25" [82 mm] Depth: 4.8" [122 mm] Height: 1.0" [25 mm]
Power Consumption	6 watts max.
Power	External AC/DC required; 12V DC, .8A; unregulated; standard
Environment	0 – 50°C, 5% – 90% humidity (non-condensing), 0 – 10,000 feet
Shipping Weight	2 lbs. [0.90 kg]
Safety Compliance	Wall Mount Power Supply: UL Listed and CSA certified
Regulatory Compliance	CISPR/EN55022 Class A; FCC Class A; CE Mark
Warranty	Lifetime

Ordering Info

- SCSCF3011-100**
(2) Coax (BNC)
to 1300nm multimode (ST)
[2 km / 1.2 mi.] Link Budget: 11.0 dB
- SCSCF3013-100**
(2) Coax (BNC)
to 1300nm multimode (SC)
[2 km / 1.2 mi.] Link Budget: 11.0 dB
- SCSCF3018-100**
(2) Coax (BNC)
to 1300nm multimode (MT-RJ)
[2 km / 1.2 mi.] Link Budget: 14.5 dB
- SCSCF3014-100**
(2) Coax (BNC)
to 1310nm single mode (SC)
[20 km/12.4 mi.] Link Budget: 16.0 dB
- SCSCF3015-100**
(2) Coax (BNC)
to 1310nm single mode (SC)
[40 km/24.9 mi.] Link Budget: 26.0 dB
- SCSCF3016-100**
(2) Coax (BNC)
to 1310nm single mode (SC)
[60 km/37.3 mi.] Link Budget: 29.0 dB
- SCSCF3017-100**
(2) Coax (BNC)
to 1550nm single mode (SC)
[80 km/49.7 mi.] Link Budget: 29.0 dB
- Single Fiber Products**
Recommended use in pairs (see page 17)
- SCSCF3029-100**
(2) Coax (BNC)
to 1310nm TX / 1550nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- SCSCF3029-101**
(2) Coax (BNC)
to 1550nm TX / 1310nm RX single fiber single mode (SC)
[20 km/12.4 mi.] Link Budget: 19.0 dB
- SCSCF3029-102**
(2) Coax (BNC)
to 1310nm TX / 1550nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB
- SCSCF3029-103**
(2) Coax (BNC)
to 1550nm TX / 1310nm RX single fiber single mode (SC)
[40 km/24.9 mi.] Link Budget: 25.0 dB