



point system™ slide-in-module network interface device

CAPTF33xx-1xx

POTS 2-Wire Copper to Fiber NID (Network Interface Device)

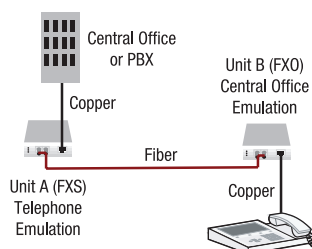


Connect central-office voice grade signals to distant Plain Old Telephone equipment (POTS) utilizing standard telephone signaling. Two units are required to implement an end to end system. Unit A connects to a telephone line or PBX and has the ability to detect ringing voltages and to act as a telephone (LINE SIDE FXS). Unit B is the reciprocal unit and has the ability to act as a Central Office and connects to a telephone device (CUSTOMER SIDE FXO).

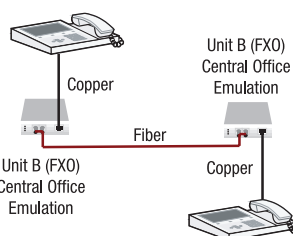
Features

- ▶ Audio transmission
- ▶ Caller ID
- ▶ Automatic Ring Down
- ▶ Dual or single fiber options
- ▶ SNMP Management
- ▶ Ringing at the distant end
- ▶ Electrical interface is provided through an RJ-11 female connector
- ▶ Field Upgradeable Firmware

Loop Extender/Isolator



Automatic Ring Down



Specifications

Standards	FCC Part 68, TBR21
Analog Port (Telephone Emulation or FXS)	Connector: RJ-11 Impedance: 600 ohms REN: 0.48 Loop Current: 20 to 60ma. Insertion Loss: 0.0 +/- 1.0 dB at 1000 Hz when both ports are terminated at 600 ohms
Analog Port (Central Office Emulation or FXO)	Impedance: 600 ohms Battery Source: 48 VDC +/- 5V Ringing Supply: 90Vp-p Ring Frequency: 25 Hz. (Reproduces frequency detected by side A) Ring Cadence: Reproduces cadence detected by side A Insertion Loss: 1.0 +/- 1.0 dB @ 1000 Hz when both ports are terminated at 600 ohms
Voice Frequency	300 Hz – 3 KHz
Switches/Option Jumpers	Automatic Ring Down/Normal
Status LEDs	LED colors are Green SDF (Fiber Link): On indicates fiber link up; ACT (In Use): On indicates unit in use; Flashing indicates ringing; PWR (Power): On indicates power is on
Dimensions	105 Model: Height: 3.4" [86 mm] Depth: 5.0" [127 mm] Width: 0.86" [22 mm] 115 Model: Height: 3.4" [86 mm] Depth: 5.0" [127 mm] Width: 1.75" [43 mm]
Power Consumption	105 Model: 4 Watts 115 Model: 7 Watts
Environment	See chassis specifications
Shipping Weight	1 lb. [0.45 kg]
Emissions Compliance	FCC Class A; VCCI Class A; EN 55022 (CISPR 22) Class A; ICES 003
Safety Compliance	CISPR A; CE Mark
Warranty	Lifetime

*Note: CAPTF cards cannot be used with the 1-Slot Point System™ Chassis™. Devices must be used in pairs. Typical installation will include a chassis card installed in the Point System™ locally and a stand-alone device [SAPTF, pg 120] installed at the remote location.

see also: POTS 2-Wire Stand-Alone NIDs

POTS 2-Wire

Ordering Information

Line Side FXS: CAPTF3311-105
Customer Side FXO: CAPTF3311-115
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1300nm multimode (ST)
 [2 km/1.2 mi.] Link Budget: 11.0 dB

Line Side FXS: CAPTF3313-105
Customer Side FXO: CAPTF3313-115
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1300nm multimode (SC)
 [2 km/1.2 mi.] Link Budget: 11.0 dB

Line Side FXS: CAPTF3314-105
Customer Side FXO: CAPTF3314-115
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1310nm single mode (SC)
 [20 km/12.4 mi.] Link Budget: 16.0 dB

Line Side FXS: CAPTF3315-105
Customer Side FXO: CAPTF3315-115
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1310nm single mode (SC)
 [40 km/24.9 mi.] Link Budget: 26.0 dB

Line Side FXS: CAPTF3316-105
Customer Side FXO: CAPTF3316-115
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1310nm single mode (SC)
 [60 km/37.3 mi.] Link Budget: 33.0 dB

Line Side FXS: CAPTF3317-105
Customer Side FXO: CAPTF3317-115
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1310nm single mode (SC)
 [80 km/49.7 mi.] Link Budget: 29.0 dB

Single Fiber Products

Recommended use in pairs

Line Side FXS: CAPTF3329-105*
Customer Side FXO: CAPTF3329-115*
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1310nm TX/1550nm RX single fiber
 single mode (SC)
 [20 km/12.4 mi.] Link Budget: 19.0 dB

Line Side FXS: CAPTF3329-106*
Customer Side FXO: CAPTF3329-116*
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1550nm TX/1310nm RX single fiber
 single mode (SC)
 [20 km/12.4 mi.] Link Budget: 19.0 dB

Line Side FXS: CAPTF3329-107*
Customer Side FXO: CAPTF3329-117*
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1310nm TX/1550nm RX single fiber
 single mode (SC)
 [40 km/24.9 mi.] Link Budget: 25.0 dB

Line Side FXS: CAPTF3329-108*
Customer Side FXO: CAPTF3329-118*
 Twisted Pair (RJ-11) [5 km/3.1 mi.]
 to 1550nm TX/1310nm RX single fiber
 single mode (SC)
 [40 km/24.9 mi.] Link Budget: 25.0 dB

* Note: Single Fiber products should be paired by application:

Loop Extender/Isolator Application

Line Side FXS: CAPTF3329-105
 Customer Side FXO: CAPTF3329-116

Automatic Ring Down Application

Line Side FXS: CAPTF3329-107
 Customer Side FXO: CAPTF3329-108