In-band Managed Family

In-band Managed slide-in card POTS (FXO/FXS) to fiber converter

FRM220-FXO/FXS, FXO/FXS-S



FRM220-FXO/FXS POTS phone line converter extender is used to connect PSTN voice signals to distant Plain Old Telephone (POTS) devices. FRM220-FXO/FXS provides a fiber media transport for POTS transmission and features an RJ-11C for copper connection. A pair of FRM220-FXO/FXS is required to implement an end to end system. FXO mode connects to a telephone line or PBX and has ability to detect ringing voltages and to act as a telephone. FXS mode is the reciprocal unit and has ability to act as PSTN and connects to a telephone device. When the FRM220-FXO/FXS card is placed in the FRM220 rack with SNMP management, in-band management allows viewing the card and remote converter's status, type, version, fiber link status, on hook status and alarms. Both card and remote can be configured to enable or disable the port, reset the port and set the FXO or FXS mode.

Features

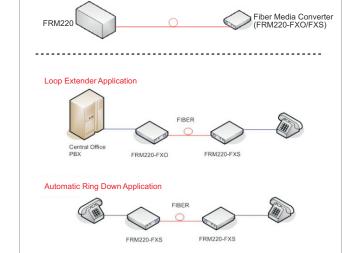
- Extend telephone voice transmission from 2km to 120km
- Network management via terminal, web or SNMP in FRM220-CH20 chassis
- Supports telephone voice transmission
- Supports caller ID pass through
- Selectable FXO or FXS mode
- Supports FXS to FXS hot line

Ports	Connector:	1x9 (SC, ST, FC) or SFP LC
Optical Interface :	Cable type :	MM 62.2/125μm, 50/125μm. SM 9/125μr
	Cable length:	MM 2km, SM 15/30/50/80/120km,
		WDM 20/40/60/80km
	Wavelength:	MM 1310nm, SM 1310, 1550nm,
		WDM 1310Tx/1550Rx(type A),
		1550Tx/1310Rx(type B)
Electrical Interface :	Connector:	RJ-11
	FXO mode:	Impedance : 600 ohms
		Coding : 16 bits liner
		Loop Current : 10~100mA
		Ring Frequency : Acceptable 20 ~50Hz
		Insertion Loss: 0.0 ± 1.0dB at 1000Hz
	FXS mode:	Impedance : 600 ohms
		Coding: 16 bits liner
		Dial: DTMF and Dial Paul
		Battery Source: 48VDC ± 4V
		Ringing Waveform : Sine wave
		Ringing Frequency:
		20/25/30/50 Hz selectable
		Ring Cadence:
		FXS to FXS : On / 1 sec, Off / 2 sec
		FXO to FXS; Reproduces the

Ringing Frequency:
20/25/30/50 Hz selectable
Ring Cadence:
FXS to FXS : On / 1 sec, Off / 2 sec
FXO to FXS; Reproduces the
cadence detected by FXO
Insertion Loss $0.0 \pm 1.0 dB$ at $1000 Hz$
REN: 4.0B(Ring Equivalence Number)

	KEN. 4.0B(King Equivalence Number)	
LEDs	Power, FX Link, Phone Act, Test	
Power	DC In 12V	
Power Consumption < 5W		
Dimensions	155 x 88 x 23mm	
(D x W x H)mm		
Weight	120g	
Temperature	0~50°C (Operating) ,0~70°C (Storage)	
Humidity	10~90% non-condensing	
Certification	CE, FCC, LVD, RoHS	
MTBF	65,000 h (25°C)	

Application



CO (Rack) to CPE (Stand-alone)

Ordering Information

■ FRM220-FXO/FXS POTS to fiber slide-in card

FRM220-FXO/FXS-S POTS to fiber SFP slide-in card

Stand-alone: