NEW

FOM-FXO32 / FOM-FXS32

32 Voices (FXS/FXO) POTS Fiber Multiplexer

The FOM-FXO32/FXS32 are a 1U, 19" Rack mountable voice transmission fiber multiplexers that transmits up to 32 channels FXO or FXS plus 4-port 10/100Base-TX Fast Ethernet channels over a single fiber optical link. The FOM-FXO32/FXS32 fiber mux features a redundant power design. The AC supply operates from 100 ~ 240VAC while DC supply operates from 36 ~ 72VDC. FOM-FXO32/FXS32 can be managed by SNMP and Web-based management. The network administrator can monitor, configure and control the activity of FOM-FXO32/FXS32 remotely.

Feature

- IU 19"(23") chassis
- Low cost solution for delivering analog POTS lines over long distance fibers
- up to 32 FXO ports for connection to PABX or PSTN
- up to 32 FXS ports for connection of phones or faxes

- 4x10/100Base-TX Ethernet port for LAN interconnection
- Port based VLAN, Tag based VLAN & bandwidth control
- Telnet and web based management
- 2 Plug-in SFP slot in I/O slots for optical SFP module
- Provides one RS232 channel for data transmission

Specifications

Optical Interface	Connector	SFP- LC
	Data rate	155Mbps
	Bit Error Rate	Less than 10-11
	Fiber	MM 62.2/125μm, 50/125μm
		SM 9/125μm
	Distance	MM 2km. SM 15/30/50/80/120km
		WDM 20/40/60/80km
	Wavelength	1310, 1550nm
Electrical Interface	FXS	Impedance: 600 ohm Coding: A-Law Dial: DTMF and Pulse Dial Provide 48VDC +-4V to telephone Ringing Waveform: Sine wave Ringing Supply: 60Vrms+-10% Ring Frequency: 20/25/30/35/40/45/50/55 Hz selectable Ring Cadence: FXS to FXS---On / 1 second, Off / 3 Second FXO to FXS---Ring cadence selectable & user-defined option available REN(Ring Equivalence Number): 4.0B
	FXO	Impedance: 600 ohm Coding: A-Law Loop current:10~100mA Ring Frequency: 20~55 Hz selectable

Ethernet	Standard	IEEE802.3, 803.2u
	Data rate	10/100Baest TX
	Connector	RJ45 x 4
	Frames	64 to 9K bytes packet lengths
Console / RS232 / Alarm		DB-9 RS232
SNMP		10/100Base-TX RJ45
Indications		PWR, Alarm, Port, Channels
Power Input		AC : 100 ~240V
		DC48 : 36~72V
Power Consumption		< 25W
Dimensions		250 x 438 x 43mm (D x W x H)
Weight		3.58kg
MTBF		75,000 hrs
Temperature		0 ~ 50°C (Operating), 0 ~ 70°C (Storage)
Humidity		10 ~ 90% non-condensing
Certification		CE, FCC, RoHS compliant
MTBF		75,000 hrs

Application

1 TEL ... **32 TEL** — **FOM-FXS32** — SM / MM or WDM Fiber (<120Km) — **FOM-FXS32** — **1 TEL Extension** ... **32 TEL Extension**
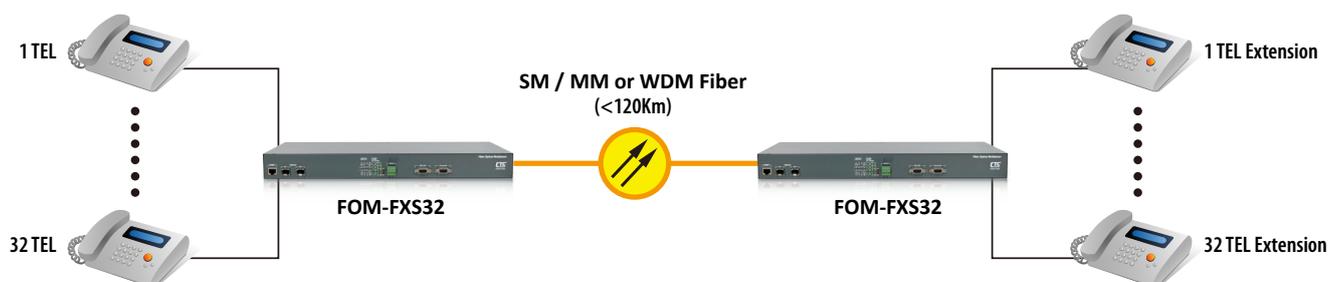
Figure 1 : 32 FXS to 32 FXS configuration, clear channel
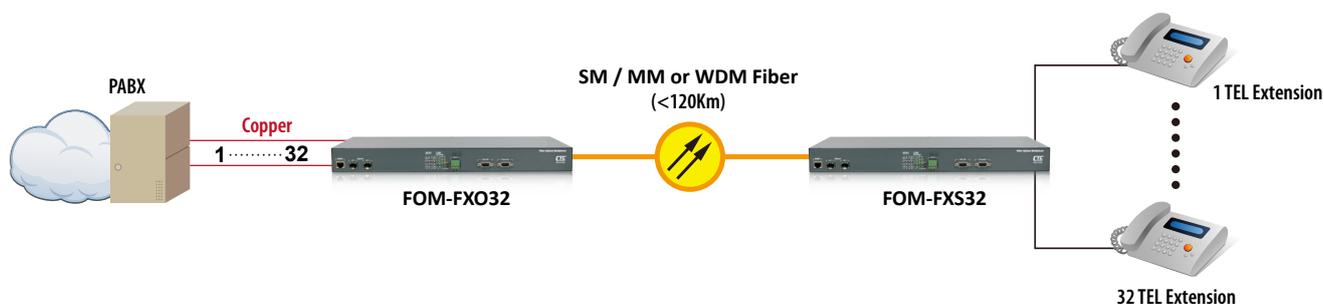
Figure 2 : 32 FXO to 32 FXS for remote extensions from PABX

Ordering Information

Model Name	Description
FOM-FXO32-AC	32 channels FXO voice fiber multiplexer, 100 ~ 240VAC Power
FOM-FXO32-DC48	32 channels FXO voice fiber multiplexer, 36 ~ 72VDC Power
FOM-FXO32-AD	32 channels FXO voice fiber multiplexer, AC+DC Power
FOM-FXS32-AC	32 channels FXS voice fiber multiplexer, 100 ~ 240VAC Power
FOM-FXS32-DC48	32 channels FXS voice fiber multiplexer, 36 ~ 72VDC Power
FOM-FXS32-AD	32 channels FXS voice fiber multiplexer, AC+DC Power