FOP-FXS FOP-FXO SERIES

SIMPLE POTS TRANSPORT OVER FIBER
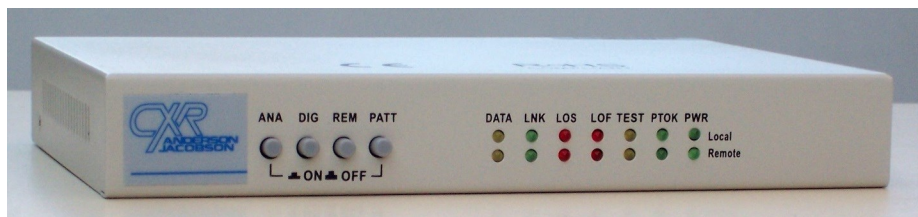

Features

- Low cost and easy solution

- 1 or 4 FXO for PSTN PBX connection

- 1 or 4 FXS for phones, faxes or modems

- Optional Ethernet port for LAN connection

- Mode PBX-to Phone set with FXO and FXS

- Mode Phone Set to Phone set with FXS and FXS

- Easy install, plug and play

- Single mode: 30, 60 and 120km

- Multi mode 2km

- Option bidirectional or WDM

- Over 10years MTBF

- Versions AC or DC

This equipment uses design of ultra large scale integrated circuit, and its outward appearance is succinct. The merits include easy installation and de-bugging, unnecessary for maintenance and steady performance. It is suitable in business for communication operator, government and kinds of entities.
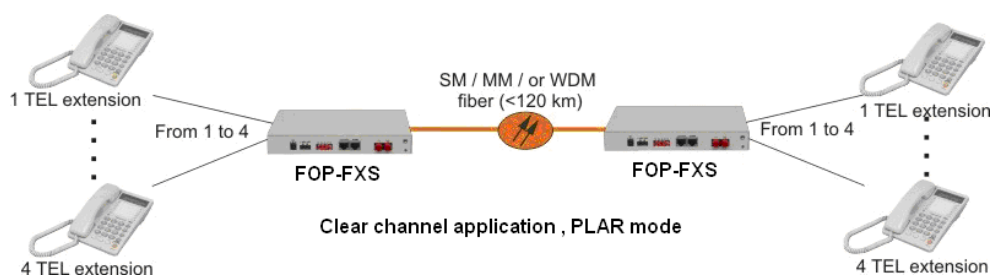
FOP-FX fiber multiplexer can provide 1 or 4 channels, telephone through optical cable, the network application is point-to-point, supporting FXO (FOP-FXO) or FXS (FOP-FXS). It has solved telephone transmission problem of edge customers. This equipment uses special digital multiple-connected chip whose function is formidable, and it integrates nearly all the digital logical function of equipment, thus remarkably enhancing product performance and reducing cost.

Additional trunk 10/100 Ethernet can be added as an option. This is a transparent bridge to bridge connection.

Note, that 4 channels of FXS/FXO are connected at same RJ-45 port, so all 8 pins of RJ-45 connector are used, and additional cable of RJ-45 ----> 4 x RJ-11 should be used in case the connections are made directly to phone sets, but if RJ-11 cable are patched to LSA+ or other distribution panels, then it's not necessary.
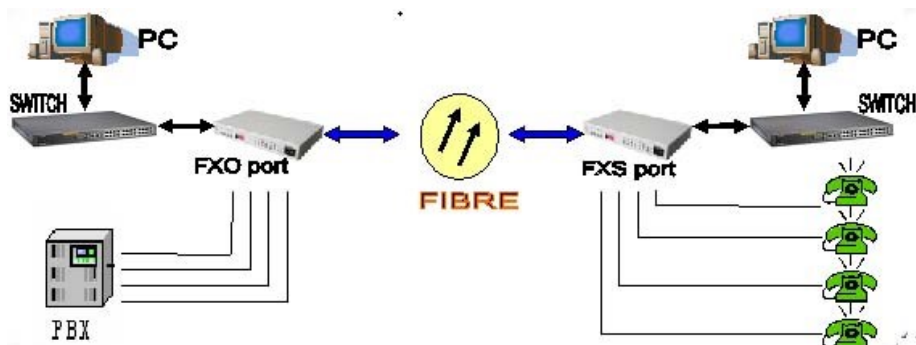
APPLICATION 1

PLAR mode application. When one telephone is hang off , the phone set is ringing in the other side. Phone 1 correspond to phone 1 on the other side.

1 TEL extension — From 1 to 4 — FOP-FXS — SM / MM / or WDM fiber (<120 km) — FOP-FXS — From 1 to 4 — 1 TEL extension
4 TEL extension — 4 TEL extension

Clear channel application , PLAR mode

APPLICATION 2

This application is provide the extension of 4 analogue telephones or fax from or a telco connection to another site over a fiber. Fiber can be use also for carry together an Ethernet bridge to the distant site. All voice information (dial-in, ring, service) are transparently carried to the other end.

SPECIFICATIONS

FXS
Ringing voltage: 75V
Ringing frequency: 25HZ
FXO
Line input impedance: 600 Ohms (hanging off)
wastage: 40 db
Ringing detecting voltage: 35V
Ringing check frequency : 17-60hz
Optical Interface Parameter
optical wavelength:
1310nm for multi-mode SC/PC
1310nm or 1550nm for single-mode
optical interface: SC/PC
WDM bidirectional available
Transmitting range:
Multi-mode 2 Km,
Single-mode 30Km, 60Km and 120Km,

Vibration characteristic:
Conforms G.742 and G.832 standard
Power
Internal AC 90V-240V 50/60Hz or
Internal DC 48VDC
Power Consumption: 5W
Typical Operation & Storage
Operation:0° ~ 50℃
Storage Temperature: -20° ~ 70℃ Humidity:5% ~ 90% non-condensing
Dimension & Weight
Size : 210 x 140 x 30 mm (WxDxH).
Shipping Weight : 3kg.
MTBF 100.000 hours
Emission/Safety FCC Class A, CE

ORDERING INFORMATIONS

Ref	FOP-nFXt-opt-xxxx-SC-pp	
n	Number of port	1 or 4
t	Type of interface	FXS or FXO
xxxx	Fiber type	MM : multimode 1310nm, 2km ;
		SM30 : single mode 1310 nm, 30km
		SM60 : single mode 1310 nm, 60km
		SM100 : single mode 1550 nm, 100km
pp	Power supply	- - AC internal AC 110/220V
		DC48: 48v DC internal
Opt	Option	TTX Pont Ethernet rate 1,6Mbps

Examples
FOP-4FXS-MM-SC-DC48
is a 4 channels voice FXS on fiber, SC/PC connector, multi-mode 1310nm fiber 2km, DC48v

FOP-4FXO-TTX-SM30-SC
Is a 4 channels voice FXO (to connect to the PBX) on single mode fiber 1310nm with a budget for 30km, SC/PC connector, Ethernet link , AC 110/220V

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This document is not a contractual document.