# 4*FXO(S)　Fiber Optical Multiplexer



# Model:FMO-120-MUX04

## Product Description

### Function

This point to point fiber transmitting equipment, which is designed on large scale integrated circuit, realizes 1~4 channel voice (FXO, FXS) over fiber and 1~4 100M Ethernet, 1~4 channel RS232 for option. RS232 channel can transfer asynchronous serial data with self-adaptable baud rate of 0 to 19200 , Its merits include complete warning function, high integration, low consumption, stable performance and convenient usage.

### Features

- provides 1~4　channel　Ethernet ports for option;

- provides4 channel voice port, FXO and FXS for option;

- provides 1~4 channel RS232, rate supports 0-15200 bps for option;

- Ethernet port 10/100M, full/half duplex auto-adaptable and supports VLAN;

- Ethernet port supports AUTO-MDIX (twisted cable and straight cable auto-adaptable);

- 1-4 channel voice connection, supports calling indication;

- Configuration: point to point;

- Voice port supports O port and S port or E&M interface for order, O port connects switch and S port connects user's phone;

- Optical interface supports SC/FC interface and supports single fiber interface.

- Dual power for option

## Parameter & Index
### Optical interface
Optical wavelength: single mode 1310nm/1550nm
Fiber: single fiber or double fiber for option
Transmitting consumption: -9dBm/-5dBm
Transmission range: 0-50Km/120Km for option

Optical interface: SC/FC
Receiving and dispatching module: >-6dBm
Optical receiver receiving sensitivity <-36 dBm (BER<$10^{-11}$)
Fiber circuit code: NRZ code

## 10/100Base-T port

Rate：10M/100M，full/half duplex auto-adaptable

Protocol: supports IEEE 802.3，IEEE 802.1Q(VLAN)

MAC address: can learn 4096 MAC address

Physical interface：RJ45, supports AUTO-MDIX (twisted cable and straight cable auto-adaptable)

## FXS phone port

Ring voltage：75V

Ring frequency：25HZ

Two line input impedance：600Ω(hanging off)
Wastage：40 db

## FXO switch port

Ring test voltage：35V
Ring test frequency：17HZ-60HZ
Two line input impedance：600Ω(hanging-off)

Wastage：40 db

pluse dial recognition: >20pps

## RS232 port

Rate：    0－115.2Kbps auto-adaptable (Asynchronous)

Interface characteristic：    satisfies ITU-T V.24 standard

Connector：RJ45

## Physical Dimension

Desktop: 483（width）×140（depth）×50（height）mm

## Operation Condition

Voltage：              AC180V ˜ 240V；DC -48V；DC +24V

Consumption：≤5W

Operating temperature：          0°C~50°C

Storing temperature：          -40°C~+70°C

Relative humidity:：          95 %

Without disturbance of erosive and solvent gas, raising dust or strong magnetic field

# Order information

FMO-120-MUX04/FXO/AC

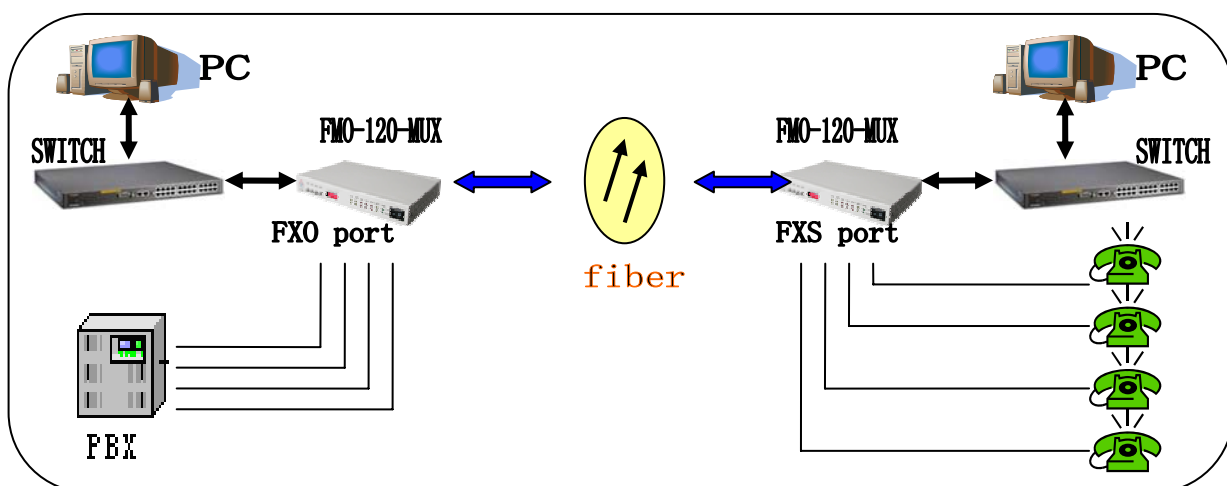FMO-120-MUX04/FXO/DC

FMO-120-MUX04/FXS/AC

FMO-120-MUX04/FXS/DC

FMO-120-MUX04/FXO/AC+DC

FMO-120-MUX04/FXS/AC+DC

## Application

### O to S as standalone to standalone diagram

## O and S combination standalone to standalone diagram