

## Telephone + E1 + Ethernet over Fiber



### Overview

This point to point fiber transmitting equipment, which is designed on large scale integrated circuit, realizes 1, 2, 4, 8, 16, 30 channels of voice phone, optionally 4E1 and Ethernet interfaces, as well. Its merits include complete warning function, high integration, low consumption, stable performance and convenient usage.

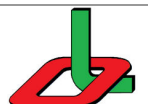
### Features

- Based on self-copy right IC
- Provide 1, 2, 4, 8, 16, 30 channels voice access, support calling indication
- Voice port supports FXO port and FXS port, O port connect with PBX, S port connect with phone users.
- Also supports 4 E1 and 4 Ethernet interfaces
- AC / DC Power options
- Works on Singlemode / multimode fiber optic cables
- Dual-fiber and single fiber (Single strand) options are available
- Supports E1 75 ohm / 120 ohm choices
- SC / FC / ST type f/o connectors optional
- Transmission distance options over fiber includes 2km on multimode, 20km - 40km - 60km - 80km on singlemode fiber
- Rack type and standalone type options available. 1U high for all models

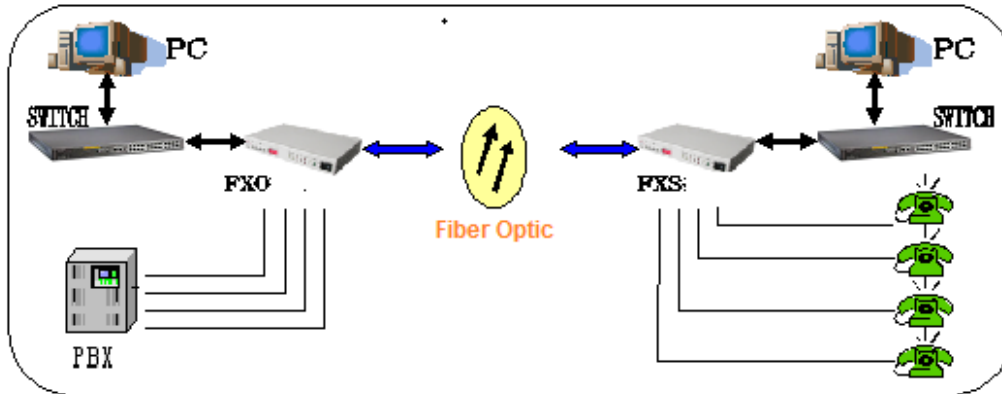
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## Applications



## Specifications

### Optical interface

- Optical wavelength: single mode 1310nm/1550nm
- Fiber: single fiber or double fiber for option
- Transmitting consumption: -9dBm/-5dBm
- Transmission range: 0-120Km for option
- Optical interface: SC/FC
- Receiving and dispatching module: >-6dBm
- Optical receiver receiving sensitivity: <-36 dBm (BER<10<sup>-11</sup>)
- Fiber circuit code: NRZ code

### FXS phone port

- Ringing voltage: 75V
- Ringing frequency: 25HZ
- Input impedance: 600Ω
- loss: 40 dB

### FXO interface

- Ringing check voltage: 35V
- Ringing check frequency: 17HZ-60HZ
- input impedance: 600Ω
- loss: 40 dB

### Working condition

- Voltage: AC220V; DC -48V; DC +24V
- Consumption: ≤5W
- Working temperature: 0°C~50°C
- Storage temperature: -40°C~+70°C
- Relative humidity: 95 %

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