



**16 FXO/S + 4E1+4Eth**

## ***16 Port FXO /S Over Fiber***

### **Overview:**

**FES 16 FXO/S + 4E1+4Eth Over Fiber** multiplexer is point to point fiber transmitting equipment, which realize 1~4 E1, 4\*10/100M Ethernet, 16 channel voice (FXO, FXS) and 1~2 channel RS232 over fiber transmission. Its merits include complete warning function, high integration, low consumption, stable performance and convenient usage.

### **Technical Specifications:**

#### **Header :**

**Brand : FES**

**Product Line : Forever Engineering Systems Pvt. Ltd.**

#### **Features:**

- Provides 4 channel E1/ G.703
- provides 1~4\*10/100M Ethernet
- provides 16 channel voice port, FXO and FXS for option
- provides 1~2 channel RS232, rate supports 300-15200 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)
- 1-16 channel voice connection, supports calling indication
- Voice port supports O port and S port, O port connects switch and S port connects user's phone
- Optical interface supports SC or FC or ST connector, single mode or multimode fiber or WDM fiber
- Fiber transmission distance up to 120km

#### **Technical Specifications:**

##### **FXS:**

- Alarm voltage: 75V
- Alarm frequency: 25HZ
- 2 line input impedance: 600Ω (hanging off)
- Wastage: 40db

##### **FXO:**

- Alarm detecting voltage: 35V
- Alarm detecting frequency: 17HZ-60HZ
- 2 line input impedance: 600Ω (hanging off)
- Wastage: 40db

#### **CORPORATE OFFICE**

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**Data RS232 port**

- Rate : 300—115.2Kbps auto-adaptable (Asynchronous)
- Interface characteristic : satisfies ITU-T V.24 standard
- Connector : RJ45

**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<sup>-11</sup>)
- Fiber circuit code: NRZ code

**E1 Interface**

- Interface standard: Conforms to G.703 standard
- Interface rate: N×64Kbps, N:1~32
- Vibration characteristic: Satisfies G.742 and G.823 standard
- Transmission capacity: 1\*E1
- Clock type: internal-clock, route clock
- Connector: BNC (75 Ω)
- Interface impedance: 75Ω (non- balanced)

**Ethernet 10/100Base-T Interface**

- Rate: 10/100M, full/duplex auto-negotiation
- Protocol: Support IEEE 802.3, IEEE 802.1Q (VLAN)
- MAC Address Entries: 4096 Entries
- Total Memory Sizes: 64Mbits SDRAM
- Physical interface: RJ45, support AUTO-MDIX

**Power supply**

- working voltage range wide, good
- anti-disturb and Isolation, work stable
- option I – DC-48V, range DC-36V~DC-72C
- option II – AC220V, range AC90V~AC260V
- Power Consumption: <=10 Watts

**environment condition**

- Operating temperature: 0C~+50 C
- Storage temperature: -20 C~+70 C
- Relative temperature:95% (uncondensed)

**Dimension**

- 19inch rack mount,1U high
- 433mm(L)x238mm(W)x44mm(H)

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