

## AT-MINI FXM MUX-08(Rack Mountable)

### Fiber-8Voice +2FE Multiplexer

#### Product introduction

This device provides 1-8 Channel telephone, 2 Channel 10M/100M Ethernet interface (Wire Speed 100M). Equipment electrical part for the whole digital circuits, machine reliability, stability, low power consumption, high integration, small size, easy installation and maintenance.

#### Product Picture



#### Functional characteristics

- Based on self -copyright IC;
- Voice port supports FXO and FXS port, Support FXO/FXS, Magnet telephone Interface, FXO port docking with program-controlled switchboard, FXS port connected to the user's telephone;
- 1~16channel Voice access, Voice FXO / FXS interface, support for caller ID / reverse polarity billing / fax function;
- Support various sites mutual number allocation function;

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- Ethernet interface supports 10/100M, half/full duplex auto-adaptable;
- AC 220V, DC-48V can be optional;
- Telephone interface with lightning protection, lightning reached IEC61000-4-5 Short circuit current wave 10 / 700µs, the peak output voltage 6KV open standards.

## Technical Parameters

### ◆ Fiber

#### Multi-mode Fiber

50/125um, 62.5/125um,

Maximum transmission distance: 5Km @ 62.5 / 125um single mode fiber, attenuation (3dbm/km)

Wave Length: 820nm

Transmitting power: -12dBm (Min) ~ -9dBm (Max)

Receiver sensitivity: -28dBm (Min)

Link budget: 16dBm

#### Single-mode Fiber

8/125um, 9/125um

Maximum transmission distance: 40Km

Transmission distance: 40Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)

Wave Length: 1310nm

Transmitting power: -9dBm (Min) ~ -8dBm (Max)

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Receiver sensitivity: -27dBm (Min)

Link budget: 18dBm

#### ◆ FXS Phone Interface

Ring voltage: 75V

Ring frequency: 25HZ

Two-line Impedance: 600 Ohm (pick up)

Return loss: 20 dB

#### ◆ FXO Switch Interface

Ring detect voltage: 35V

Ring detection frequency: 17HZ-60HZ

Two-line Impedance: 600 Ohm (pick up)

Return loss: 20 dB

#### ◆ Ethernet interface(10/100M)

Interface rate: 10/100 Mbps, half/full duplex auto-negotiation

Interface Standard: Compatible with IEEE 802.3, IEEE 802.1Q

MAC Address Capability: 4096

Connector: RJ45, support Auto-MDIX

#### ◆ Electrical and mechanical characteristics

System power supply : AC180V ~260V ; DC -48V ; DC +24V

Power waste :  $\leq 5W$

Size: (L×W×H) 485\*138\*45mm 19inch

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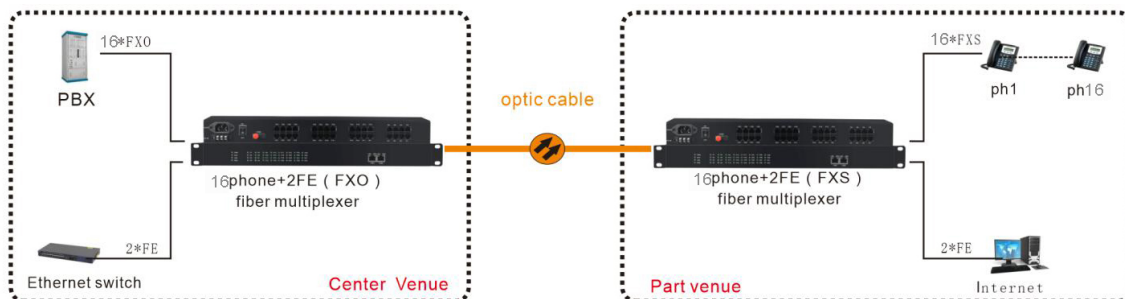
◆ Working environment

- Working temperature: -10°C ~ 50°C
- Working Humidity: 5%~95 % (no condensation)
- Storage temperature: -40°C ~ 80°C
- Storage Humidity: 5%~95 % (no condensation)
- MTBF: > 100,000 hours

Product specifications

Product Name	<b>AT-MINI FXM MUX-08(Rack Mountable)</b> 8 Voice+2 FE Multiplexer
Functional Description	Transmission of 8-Channel Telephone (RJ11)+2-Channel FE on Optical Fiber , 19inch, Power Supply:DC – 48V or AC220V
Port Description	16 * telephone , 2*100 Mbps Ethernet , 1* Fiber interface
Power	Power supply: AC180V ~ 260V ; DC –48V
Dimension	(L×W×H) 485*137*45mm 19inch
Weight	2Kg

Solution application



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