30Voice(FXO/S) over FIBER MULTIPLEXER

Model: AZ-OP-MUX30

Functions:

This point to point fiber transmitting equipment, which is designed on large scale integrated circuit, realizes 1~4 E1 circuit, 1 ~4 channels 100M Ethernet, 30 channel voice (FXO/FXS,2/4wire E&M) and 1~4 channel RS232. Its merits include complete warning function, high integration, low consumption, stable performance and convenient usage.

PRODUCT CHARACTERISTIC:

■ provides 4 channel E1/ G.703 for option;

■ provides 4 channel 100M (liner) Ethernet ports for option;

■ provides 30 channel voice port, FXO/FXS,2/4wire E&M for option;

■ provides4 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);

■ 1-30 channel voice connection, supports calling indication;

■ Configuration: point to point;

■ Voice port supports O port and S port, O port connects switch and S port connects user's phone;

■ Optical interface supports SC/FC interface and supports single fiber interface

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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

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
Connecter: BNC (75 Ω), RJ45 (120 Ω)
Interface impedance: 75Ω (non- balanced), 120Ω (balanced)

RS232 port:

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

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

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

E-wire Parameter:

MAX electric current: 22mA

Saturation voltage: 3V
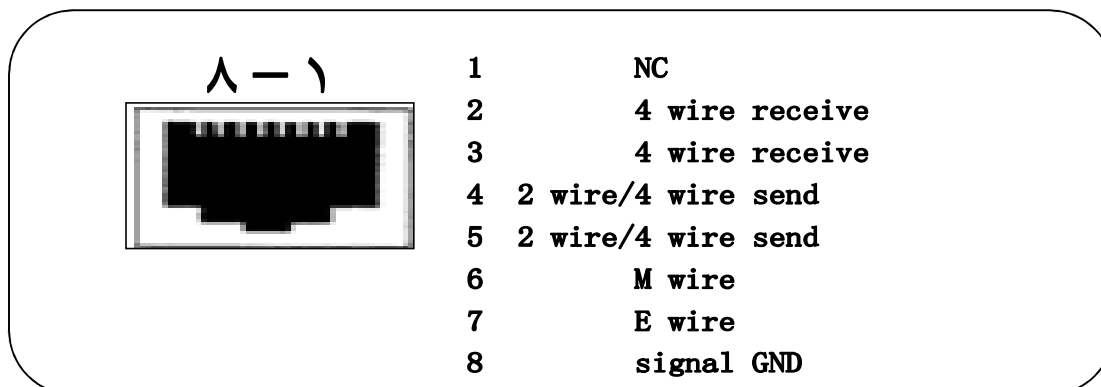
Dial speed: >20pps

M-wire Parameter:

Constant current: 7mA

MIN detecting current: 5mA

pulse dial identify : >20pps

Pin	Function
1	NC
2	4 wire receive
3	4 wire receive
4	2 wire/4 wire send
5	2 wire/4 wire send
6	M wire
7	E wire
8	signal GND

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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 AC165V~AC240V
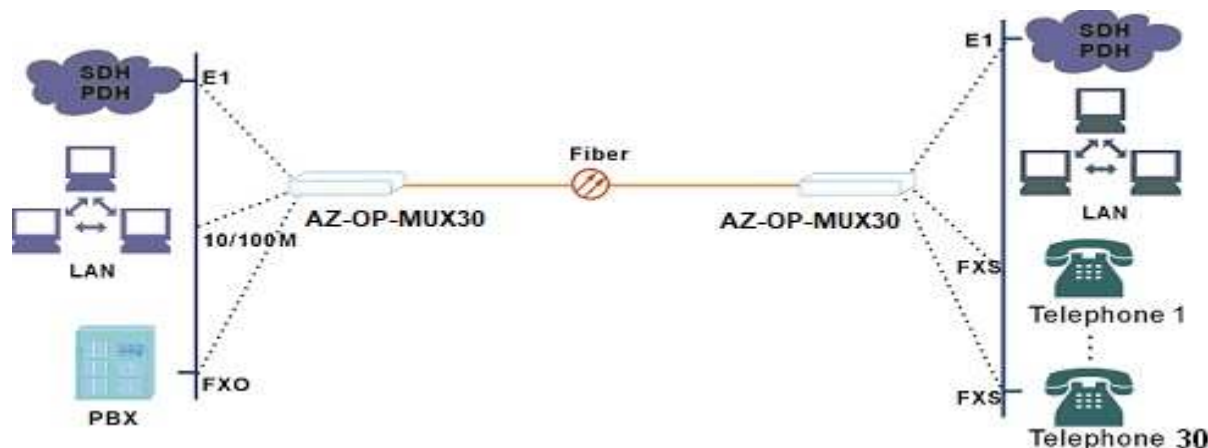
Power Consumption: <=3 Watts

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

Dimension (19inch rack mount):

✧ 433mm(L)

✧ 138mm(W)

✧ 44mm(H)

Typical application:

Order information:

AZ-OP-MUX30	30channel voice over Fiber multiplexer, voice interface support FXS or FXO,SC/FC connector, dual fiber,20km,power AC 220V or DC48V.
AZ-OP-MUX30/4ETH	4*Ethernet+30POTS(FXS/FXO) over Fiber multiplexer, voice interface support FXS or FXO,10/100M ethernet,SC,20km,power AC220V or DC48V
AZ-OP-MUX30/4ETH/4E1/2RS232	30POTS+4E1+4Ethernet+2RS232 over Fiber multiplexer, voice interface FXS or FXO,E1 port 75ohm(BNC connector) or 120ohm(RJ45 connector),10/100M ethernet,SC,20km,power AC220V or DC48V

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