

30Voice(FXO/S) over E1 Multiplexer

Model: AZ-E1-MUX30



Functions:

AZ-E1-MUX30 provides conversion between ITU-T G.703 standard E1 framed interface and 1-30channel voice (FXS/O,2/4wire E&M), realizing the long-distance extend of telephone line through E1 channel.

PRODUCT CHARACTERISTIC:

- realizes long-distance monitoring of local device to the remote device based on self-copyright IC;
- provides 1 channels Ethernet port(optional)
- provides two clock types: E1 master clock, E1 line clock;
- provides 3 kinds of loop-return function, namely E1 self-looping at local end, Ethernet self-looping at local end, ordered to self-loop at remote end;
- realize the automatically rate set of local device to remote device
- E1 supports 75Ω unbalanced and 120Ω balanced impedance at the same time;
- Provide Ethernet auto reset function, run more stably.
- various Ethernet data indicate functions, which indicate data transmission status timely;
- Provides 1-30 channels voice (FXS/O);
- Voice port supports O port and S port, O port connects switch and S port connects user's phone;
- support 2&4 wire E&M (optional)

E1 Interface:

Interface standard: Conforms to G.703 standard
 Interface rate: $N \times 64\text{Kbps}$, $N: 1 \sim 32$
 Vibration characteristic: Satisfies G.742 and G.823 standard
 Transmission capacity: 1*E1
 Clock type: internal-clock, route clock
 Connector: BNC (75 Ω), RJ45 (120 Ω)
 Interface impedance: 75Ω (non- balanced), 120Ω (balanced)

10/100Base-T Interface (Optional):

Rate: 10/100M, full/duplex auto-negotiation
 Protocol: Support IEEE 802.3
 MAC Address Entries: 4096 Entries
 Physical interface: RJ45, support AUTO-MDIX



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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

2/4wire E&M Interface:

AD gain: 0db

DA gain: -3.5DB

Line Impedance: 600 Ohm (pick up)

Return loss: 20 dB

Dimension (19inch rack mount):

✧ 433mm(L)

✧ 138mm(W)

✧ 44mm(H)

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

Environment condition:

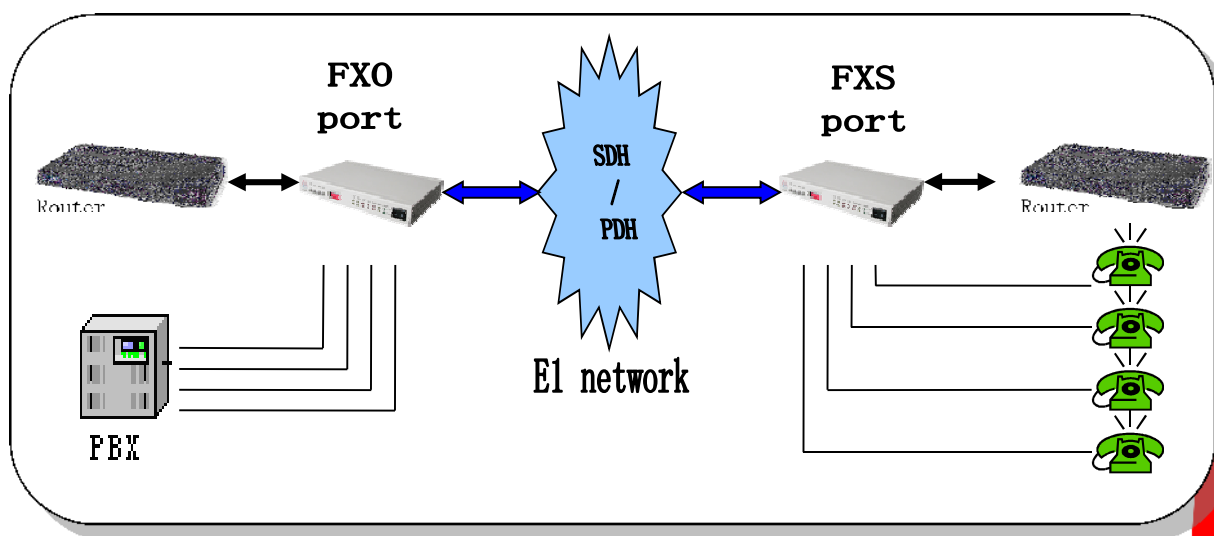
Operating temperature: 0C~+50 C

Storage temperature: -20 C~+70 C

Relative temperature: 95%
(uncondensed)

Typical application:

30FXO _ _ _ _ 30FXS application





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Order information:

AZ-E1-MUX30/AC: 30channel voice (FXS/O) over E1 multiplexer, power AC220V

AZ-E1-MUX30/DC: 30channel voice (FXS/O) over E1 multiplexer, power DC48V

AZ-E1-MUX30/AC+DC: 30channel voice (FXS/O) over E1 multiplexer, doublé power AC220V+DC48V)

AZ-E1-MUX30/ETH/AC: 30channel voice (FXS/O) over E1 multiplexer,1*10/100M Ethernet, power AC220V

AZ-E1-MUX30/ETH/DC: 30channel voice (FXS/O) over E1 multiplexer,1*10/100M Ethernet, power DC48V

AZ-E1-MUX30/ETH/AC+DC: 30channel voice (FXS/O) over E1 multiplexer,1*10/100M Ethernet, Double power AC220V+DC48V