16Voice (FXO/S) over E1 Multiplexer

Model:AZ-E1-MUX16

Functions:

AZ-E1-MUX16 provides conversion between ITU-T G.703 standard E1 framed interface and 10/100Mbase-T Ethernet interface, can through E1 channel provide 1-16 voice, realize the long-distance extend of telephone line through E1 channel. It also provides 1channel RS232 data and Ethernet (1port or 4ports optional).

AZ-E1-MUX16 is a high-performance, multi-type long-range Ethernet bridge. Its small size, low cost and very appropriate to the cost-sensitive bridging applications, or as spaces become an extension of the LAN infrastructure, devices or above devices. Automatically connected to the LAN with its uninterrupted learning the MAC address and the address as another purpose of the frame relay LAN. TCP/IP agreement on transparency for different network interface between communications equipment to provide safe, seamless connectivity. E1-10/100BT interface converters widely used for LAN and Wan networking, control, and so on, and particularly applicable to the network users to the network users with a single E1 channel data and voice access at the same time. RS232 asynchronous transmission 300-115.200 kbps self-adapt.

PRODUCT CHARACTERISTIC:

- Provides 4 channels Ethernet connectors (optional), 10M/100M, full /half duplex self-adapt, support VLAN. supports AUTO-MDIX(cross over and straight through self-adapt)
- 4 Ethernet interfaces support channel separate function
- 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 1-16 voice channels, support calling indication
- 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, the ports will be configured as special requirement)
- support 2wire Audio (optional, the ports will be configured according to special requirement)
- RS232 channel (optional) can transfer asynchronous serial data with self-adaptable baud rate of 300 to 115.200;

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)

10/100Base-T Interface:

Rate: 10/100M, full/duplex auto-negotiation
Protocol: Support IEEE 802.3
MAC Address Entries: 4096 Entries
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

RS232 port:

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

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)

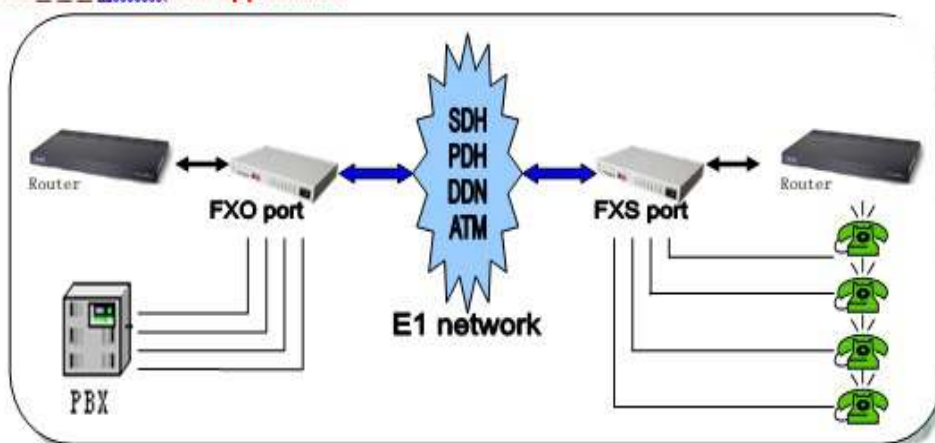## Dimension (19inch rack mount):

✧ 433mm(L)

✧ 138mm(W)

✧ 44mm(H)

order information:
AZ-E1-MUX16 -AC
AZ-E1-MUX16 -DC

Typical application

16FXO_____16FXS application

8FXO+8FXS_____8FXS +8FXO application

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