Turning Copper into Gold

MODEL NO: AT-E1MUX-08

E1-8Voice + 4FE + 4RS232 Multiplexer

Overview

This equipment provides an E1 access,1~8channel voice outputs,4channel data (RS-232/422/485) and 4*10/100M Ethernet optional (bandwith 2M) , The electricity part is digital circuit. The superiority of this product is reliable work and stable with high integration and lower energy consumption. Small size for easy install and maintenance. Most clients of telecom operators rent E1 line for Ethernet networking, while this equipment could supply more telephone lines on E1 and free call between head office and branch.

Product Photo

ANDA Telecom Pvt. Ltd.
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Features

- Based on proprietary integrated circuits;
- Alarm status can be monitored on the end;
- E1 interface complies with G.703, all-digital clock recovery and smooth phase-locked technology;
- Support FXO/FXS, EM2/4 audio, Magnet telephone Interface, FXO port docking with program-controlled switchboard, FXS port connected to the user's telephone
- Providing four expansion interface, can be extended from 1 to 4 asynchronous data, such as RS232/485/422/Manchester codes; Or 1 to 8*channel dry contact interface etc.;
- Ethernet interface 10M/100M, full/half duplex fully adaptive, support VLAN division;
- Each Ethernet ports support Auto-MDIX (cross / straight cable adaptation);
- 1line voice access, support caller ID function and reverse polarity billing functions;
- Support Telephone Number mutual function of each site;
- E1 signal can be detected as a barrier to the end device is lost or shut E1;
- Provide two kinds of clock ways: E1 master clock, E1 line clock;
- Provides three kinds of loopback: E1 local loopback (ANA), the Ethernet interface to the remote loopback (DIG), command peer Ethernet interface to the local loop (REM);
- There is pseudo-random code test function (PATT), to facilitate the opening line, which can be when one of E1 BERT to use;
- E1 can support N * 64k (N = 1-32) rate, that rate is adjustable from 64K-2048K;

- Multiple power mode options: AC220V, DC-48V / DC24V, etc.;
- Telephone interface with lightning protection, lightning reached IEC61000-4-5, Short circuit current wave 8/20μs, open-peak output voltage 6KV standards

Parameters

E1 Interface

Interface Standard:	comply with protocol G.703;
Interface Rate:	n*64Kbps±50ppm;
Interface Code:	HDB3;
E1 Impedance:	75Ω (unbalance), 120Ω (balance);
Jitter tolerance:	In accord with protocol G.742 and G.823
Allowed Attenuation:	0~6dBm

FXS Phone Interface

Ring voltage:	75V
Ring frequency:	25HZ
Two-line Impedance:	600 Ohm (pick up)
Return loss:	40 dB

FXO Switch Interface

Ring detect voltage:	35V
Ring detection frequency:	17HZ-60HZ
Two-line Impedance:	600 Ohm (pick up)
Return loss:	40 dB

EM 2/4 Line

AD:	0dB
DA:	0dB
Two/Four-line Impedance:	600 Ohm
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 (VLAN)
MAC Address Capability:	4096
Connector:	RJ45, support Auto-MDIX

◆ 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)

Specifications

Model	AT-E1MUX-08
Functional Description	One E1 interface , 8*Voices ; 4*FE； 4*RS232/485/422, Console,19''inch 1U ,Support 6U rackmount
Power	Power supply: AC180V ~ 260V ; DC –48V ; DC +24V Power consumption: ≤10W
Dimension	Product Size: 19inch 1U 483 (Length) X138 (Width) X44 (height) mm

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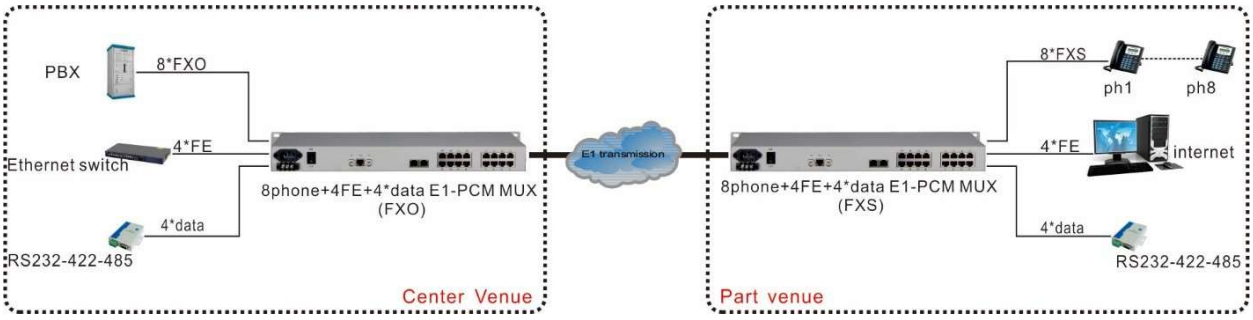
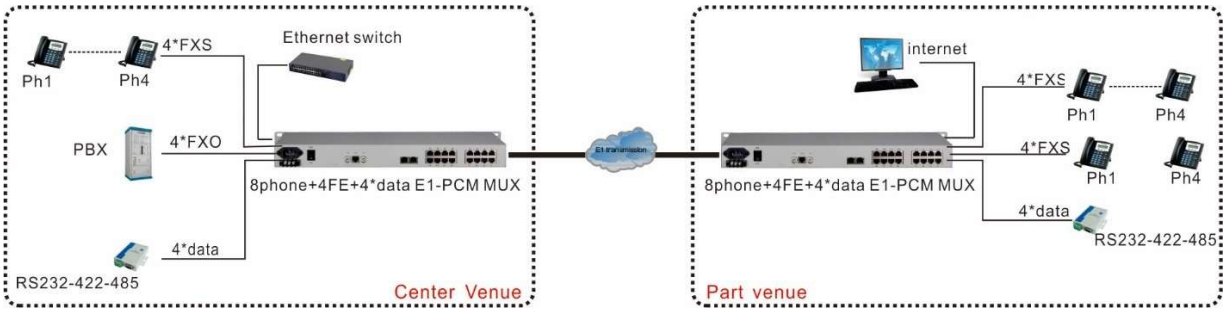
Weight	19inch 2.5 KG

Application

Typical solution 1 -------Ordinary voice Access



Typical solution 2 -------Hotline Access



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