

## Model: AT-E1 MUX-30

### Overview

This equipment provides an E1 access, 1~30 channel voice outputs. 4\*channel 64Kbps ethernet optional. 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.

### Photo



### Features

- Based on self -copyright IC
- Can monitor the remote alarm status
- E1 interface comply with G.703, adopts digital clock recovery and smooth phase-lock 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
- Ethernet interface rate is 10/100M, duplex/half duplex adaptive, support VLAN.

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- 1~30 Channel voice access, supports caller ID feature and reverse polarity billing functions
- Support various sites mutual number allocation function
- Can detect the end device is power-off or E1 line is broken when the lose signal, through the LED indicates alarm
- Provide 2 clock types: E1 master clock and E1 line clock
- Have three Loop Back Mode: E1 interface Loop Back (ANA)、Ethernet interface Loop Back(DIG)、Command the remote Ethernet interface Loop Back(REM)
- Have PATT function,easy for opening lines,can use as a E1 bit-error tester.
- With Console interface, Can display the local and remote equipment status.
- Multiple power mode options: AC220V, DC-48V and so on
- 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-E1 MUX-30
Functional Description	E1-30*telephone+ 4*channel 64kbps Ethernet,19"inch1U
Power	Power supply: AC180V ~ 260V ; DC -48V; Power consumption: ≤10W
Dimension	Product size:485X200X45mm(WXDXH) 19inch 1U
Weight	2.5KG

