# 16 POTS (FXO/FXS) over Ethernet converter

**Functions**

16 POTS (FXO/FXS) over Ethernet is a kind of point-to-point device. The converter encapsulates voice data in IP data packets and supports UDP encapsulation to realize the conversion of 1-16 voice services to two 100M Ethernet networks. It can communicate on the same network segment or different network segments viarouters.



| PRODUCT CHARACTERISTIC |
|---|
| ✧ provide Console (RS232) management interface convenient for installation; Ethernet interface rate of 10M / 100M full / half duplex adaptive;<br>✧ support automatic recovery after power off or network off ;<br>✧ support Ethernet packet disorder recovery and cache to resist network delay;<br>✧ adjustable frame length to balance the bandwidth and transmission delay;<br>✧ based on hardware design quick start;<br>✧ Voice port support FXO / FXS / two /four-wire EM / two-wire audio / magnet telephone interface FXO port and program-controlled switches docking FXS port and the user's telephone connected;<br>✧ Voice FXO / FXS access support for caller ID function / reverse polarity billing / fax function;<br>✧ telephone interface support mutual number allocation function;<br>✧ Support Console serial port network management and WEB network management;<br>✧ A variety of power options: AC220V DC-48V / DC24V etc . support AC + DC; AC + AC; DC + DC dual power backup mode |

| FXO port | |
|---|---|
| Alarm voltage | 75V |
| Alarm frequency | 25HZ |
| 2 line input impedance | 600Ω (hanging off) |
| Wastage | 40db |
| **FXS port** | |
| Alarm detecting voltage | 35V |
| Alarm detecting frequency | 17HZ-60HZ |

| | |
|---|---|
| 2 line input impedance | 600Ω (hanging off) |
| Wastage | 40db |
| **10/100BaseT Interface** | |
| Number of Interfaces | 1 port |
| Interface Types | 10/100BaseT |
| Standards Compliance | IEEE 802.3 |
| Protocol | User Programmable HDLC |
| Connectors | B RJ45 (10/100 BaseT Electrical) |
| **Mechanical Specifications** | |
| Rack Mounting | Standard 19-inch DIN rack |
| Dimension | 19inch 1 U: 433mm(L)*138mm(D)*44mm(H) |
| **Management for option** | |
| consolel management serial port network management or WEB network management | |
| **Power Supply** | |
| Input AC/DC voltage | -48V DC ( nominal ) / AC also available |
| Range of input | -36V to -72V DC /90V~260VAC |
| Temperature | 0 centi degree to 55 centi degree |
| Humidity | 95% RH (non-condensing) |
| Cooling | Convection Cooling |
| Order information | |
| BD-IP-MUX16/AC | 1～16POTS(FXO/FXS) over ethernet,AC220V |
| BD-IP-MUX16/DC | 1～16POTS(FXO/FXS) over ethernet,DC48V |
| BD-IP-MUX16/AC+DC | 1～16POTS(FXO/FXS) over ethernet,AC220V+DC48V |

## Application

