

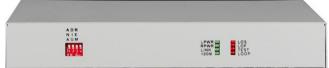
POE E1-FE Interface Converter af/at

• Overview

This interface converter provides one unframed 2048K E1 or framed n*64Kbps E1 interface and one Ethernet interface to achieve 10/100Base-T Ethernet data transmission on the E1 channel. It is a high performance, self-learning Ethernet bridge. This device is the extension device of Ethernet, using network (PDH/SDH/Microwave) that provide E1 channel to achieve local and remote Ethernet interconnecting with serial interfaces at a lower cost. The device has inter-set loop test function to facilitate the project launching and daily maintenance.

• Photos





- Based on self -copyright IC
- Support unframed mode (2048K) set and can manage the remote device condition ,
 - OAM management data did not take up user's timeslot
- Have the function of E1 interface loop back check, avoid the converter crashed because of interface loop back;
- Have indicator when the device is power-off or E1 line is broken or lose signal;
- Can set the E1 line that not to send the LINK signal to Ethernet interface while E1 line is broken;
- The Ethernet interface supports jumbo frames (2036 Bytes);
- Inter-set dynamic Ethernet MAC address (4,096) with local data frame filtering
- Ethernet interface supports10M/100M, half/full duplex auto- Negotiation and



AUTO-MDIX (crossed line and straightly connected line self-adaptable);

- Have Ethernet monitor self-reset function, the equipment will not dead
- Can achieve the remote device setting any 5 mode of Ethernet and can closed the AUTO-MDIX function;
- Provide 2 clock types: E1 master clock and E1 line clock;
- The local device can forced the remote device rate follow it(when the device is unframed mode, that is invalid);
- Have three Loop Back Mode: E1 interface Loop Back (ANA). Ethernet interface Loop Back(DIG). Command the remote, Ethernet interface Loop Back(REM)
- Provide 2 impedances: 75 Ohm unbalance and 120 Ohm balance;
- Ethernet supports standard IEEE802.3af / at power supply; Each port can be sufficient power output 15.4W (IEEE802.3af), at 25.5W (IEEE802.3at);

: 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

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

◆ Ethernet POE features

PoE standard: IEEE 802.3af / at

PoE Type: End Crossing Method (optional

intermediatebridging method)

PoE Port Features: Port output power 15.4W /

25.5W

PoE transmission core: 1/2 +, 3/6-pair (optional 4/5

+, 7/8-pair)

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

Functional	1channel POE E1 - FE converter, support AF/AT
Description	
Port Description	One E1 interface ; 1*FE Interface
Power	Power supply: AC180V ~ 260V ; DC -48V ; DC +24V
	Power consumption: ≤10W
Dimension	Product Size: Mini type 216X140X31mm (WXDXH),1.3KG/piece