

## TD-CNV-ETH-E1

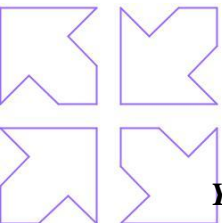


### Overview

TD-CNV-ETH-E1 converter is a high performance, remote, self-learning Ethernet Bridge. Its compact size and low cost make it ideal for cost-sensitive bridging applications or as a LAN extender over bit stream type infrastructures. Its E1 data interface also provides an economical digital access solution for E1 and Fractional E1 network Services, which can work at data rates of 64Kbps to 2048Kbps. User data is placed into the E1 frame, using only the required number of timeslots. Timeslot assignment is accomplished according to the Data Port speed and manual setting of DIP switches. The main E1 link may be clocked from the recovered receive clock or from an internal oscillator. For easy to check the fault of network line, the device provides loop selection, both local loop and remote loop.

### Key features

- High performance bridge for 10Base-T Ethernet extension
- Fully compatible with IEEE 802.3 and Ethernet Standards
- E1 channel: Full and Fabrication optional, 75/120ohm optional
- Ethernet Port:: 10/100Mbps, Full/Half Duplex Mode compatible
- 10/100Base-T LAN Interface on RJ-45 connector and MDI/MDI-X optional
- Allow transmitting and receiving VLAN data packet
- Frame filtering and forwarding
- Automatic MAC table learning and aging.



## Specifications

### E1 interface

Data rate: N×64Kbps, N=1~32  
Code type: HDB3  
Compliant with G.703, G.704, G.823  
75Ω/ 120Ω Optional  
BNC(75Ω) / RJ45(120Ω)  
Framed / Unframed optional

### Ethernet Interface

Standard: IEEE802.3, 802.3u  
10/100Mbps, Half/Full Duplex  
RJ45 Connector, MDI/MDI-X switch  
Number of Ports: 1

### LED

RXD TXD LINK FDX LOS LOF COL LOOP  
POWER

## Size

Standalone: 252 (W) × 136 (D) × 40  
(H) mm Chassis: 19' (W) ×  
340mm (D) × 4U (H) mm

## Power

### INPUT:

AC Power: 100V-240V, 0.4-0.2A, 50-60 Hz  
DC Power: -48V, 0.4A

Power : <2W for each standalone or module

## Environment

### Operation

Temperature: 0°C ~ 50°C;

Humidity: 0% ~ 90% (non-condensed)

Air pressure: 86kPa ~ 106 kPa.

### Transport and store

Temperature: -20°C ~ 60°C;

## Order Information

TD-CNV-ETH-E1-AC	10/100Base-T to E1 Converter, Standalone Device, 220VAC Power input
TD-CNV-ETH-E1-DC	10/100Base-T to E1 Converter, Standalone Device, -48VDC Power input

