

8E1-Eth Interface Converter



This converter provides conversion from 1 to 8 E1 channels to an Ethernet interface. It supports 1 to 8 E1 channels. By setting the number of E1 channels, it can detect the number of available channels. It can reach 8*1.984M bandwidth when 8 E1 channels work simultaneously. It transmits Ethernet signals (RJ45) via point-to-point to a remote RJ45 interface, realizing a connection between E1 channels and Ethernet, composing a bridge. It can satisfy real-time video, audio, and data transmission.

PRODUCT CHARACTER:

- (1) Based on self-copyright IC.
- (2) 2 Ethernet transmit transparent through 1-8 E1 channels with built-in switch.
- (3) Ethernet interface 10M/100M, full/half duplex self-adapt, support VLAN.
- (4) Support E1 local loop
- (5) CRC alarm limitation can auto insulate bad-quality transmit channel by configuration, and is single direction insulation. When one direction error rate over limitation, cut only this direction, the other direction not affected. (The two directions need not symmetry.)
- (6) 8 E1 can have 16 ms transmission delay, auto stop transmission when the delay above the limitation.
- (9) E1 interface according with ITU-T G.703, G.704, and G.823, not support the use of signaling time slot.
- (10) E1 interface have built-in clock resume circuit and HDB3 codec circuit.
- (11) Support E1 channel hot plug, and auto detect available E1 channels.
- (12) Support flexible setting of 1 to 8 E1 channels, auto detect the number of E1 channels and time-delay, select available E1 channels when reset.
- (13) Support reset remote system from local system.
- (14) Have Ethernet monitor self-reset function, device will not dead.

TECHNICAL SPECIFICATION:**E1 interface:**

interface standard: according to G.703

Interface Rate: 2.048Mbps±50ppm

Jitter tolerance: according to G.742 and G.823.

transmission capability: 8*E1

clock mode: inter-clock, line-clock

connector: BNC (75Ω) 、RJ45 (120Ω)

E1 Impedance: 75Ω(unbalance), 120Ω(balance).

10/100 Base-T interface:

Interface Rate: 10/100Mbps

Duplex: half and full duplex self-adapt.

Interface character: match IEEE802.3, IEEE802.1Q(VLAN).

Connector: RJ45,

MAC address capability: 4096

Working environment:

power supply: AC220/110V; DC -48V

power consumption: ≤5W

working temperature: 0°C ~ 50°C

storage temperature: -40°C ~ +70°C

humidity: 95 %

Typical Application: