

Protocol Converters

E1 to Ethernet Protocol Converter



Descriptions

The design of this product adopts the ASIC chip as the core, which features simple circuits and compact structure and enhances the reliability of the integrated equipment. This protocol converter provides data transmission channels at a maximum bandwidth of 2.048M for the Ethernet over coaxial cables and connects two LANs through coaxial cables. It is applicable to multiple application scenarios including LAN extension, network isolation, and access of LAN into WAN. It connects an Ethernet network to a telecommunications transmission network, a private network or a WAN.

Features

- Supporting IEEE802.3Q VLAN frames and 1536 bytes jumbo frames □
- Supporting data transmission from 10/100M Ethernet to E1 □
- Configurable Ethernet bandwidth, supporting a maximum rate of 2.048 Mbps
- Supporting full-duplex PAUSE flow control function
- Supporting address filtering function
- RJ45 interface, supporting adaptive crossover and straight-through cabling
- Supporting the reset of a remote system from a local system
- Supporting audio alarm function, with the audio alarm system to be disabled by the user at any time
- Supporting E1 line loopback function
- Built-in switching power supply, overall power consumption < 3W; external 220V AC and -48V DC interface

Specifications

Protocols and Standards	Supporting IEEE802.3.d Spanning Tree, IEEE802.3Q VLAN frames and 1536 bytes jumbo frames
E1 interface	In compliance with ITU-T G.703/G.704 protocol Rate: 2.048 Mb/s Code pattern: HDB3 Interface impedance: 75W BNC interface (unbalanced)/ 120W RJ45 interface (balanced) Permitted input frequency shift: 2.048MHz 【100PPM Jitter characteristics: G.823 recommendation
Ethernet Interface	In compliance with IEEE802.3/IEEE802.3u standard, using standard RJ45 connector Supporting wire-speed 10Base-T/100Base-TX, full duplex/half-duplex adaptive mode Supporting automatic crossover of twisted pairs
Bit error rate	<1/1000000000
Power	Capable of dual power supply, mutual hot backup AC 220V: 220V (AC) input, allowing 175V~264V (AC) DC -48V: -48V (DC) input, allowing -40V~-60V (DC)
Dimensions	212mm (L)*150mm (W)*38mm (H)

For detailed inquiry please contact our sales team at: sales@HuihongFiber.com .