

E1-1*10/100BaseT Ethernet converter

Model:AZ-E1-ETH



Functions

Model AZ-E1-ETH is a single port E1 with Ethernet Bridging that provides high-speed LAN-to-WAN connectivity. Plugging directly into the 10/100Base-T port of a hub or LAN switch, the E1-ETH provides E1 access at connection data rates of 2.048 Mbps. The E1-ETH is an excellent choice for internet access as well as LAN-to-LAN services

CHARACTERISTIC

- ☞ Based on self-copyright IC.
- ☞ Ethernet port 10/100M half/full duplex self adaptable, supporting VLAN.
- ☞ RJ45 interface supports AUTO-MDIX.
- ☞ Provides 3 clock types: E1 master clock, E1 line clock, receive recover clock.
- ☞ Provide LAN auto reset function, run more stably.
- ☞ Has the function of pseudo-random code testing, convenient for opening of the circuit, and can be used as an error code instrument.
- ☞ Have three LoopBack Modes: E1 interface LoopBack (ANA)、LAN interface LoopBack (DIG)、command the remote LAN interface LoopBack (REM) .
- ☞ BNC 75-ohm dual coax and RJ45 120-ohm twisted-pair G.703 connections provided, and support 75ohm/120ohm adapt ;
- ☞ With abundant presentation function of Ethernet data, can detect real-time data communication status.

E1 Interface

- ↗ Line Rate: 2.048Mbps±50ppm
- ↗ Line Code : HDB3
- ↗ Interface Standard: ITU-T G.703
- ↗ E1 Impedance: 75Ω(unbalance) and 120Ω(balance)
- ↗ Connections : dual coax BNC and 120-ohm twisted-pair (RJ45)
- ↗ Jitter tolerance : finer than G.742 and G.823

10/100Base-T Interface

- Rate: 10/100M, full/duplex auto-negotiation
- Protocol: Support IEEE 802.3, IEEE 802.1Q (VLAN)
- MAC Address Entries: 4096 Entries
- Total Memory Sizes: 64MBytes SDRAM
- Physical interface: RJ45, support AUTO-MDIX

Power supply

working voltage range wide, good
 anti-disturb and Isolation, work stable
 option I – DC-48V,range DC-36V~DC-72C
 option II – AC220V,range AC165V~AC240V
 Power Consumption: <=3 Watts

environment condition

Operating temperature: 0C~+50 C
 Storage temperature: -20 C~+70 C
 Relative temperature:95% (uncondensed)

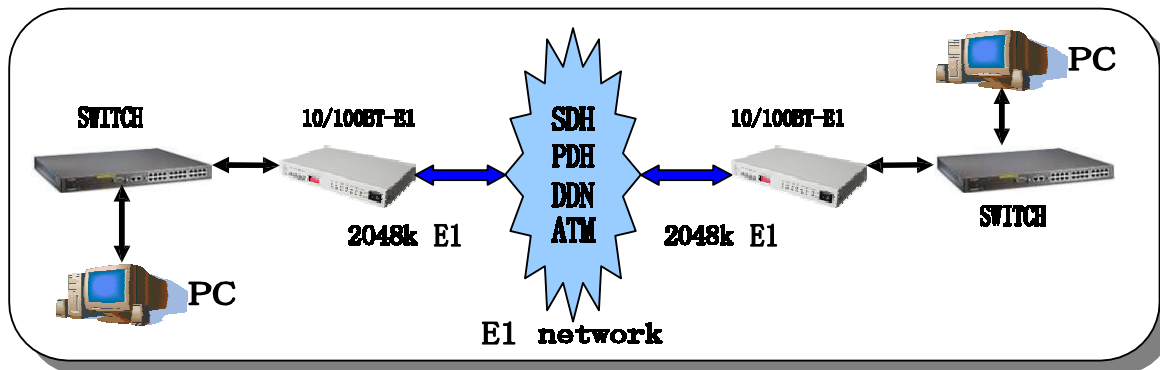
Dimension

210mm(L)
 140mm(W)
 30mm(H)



19inch rack mount bear panel

Application



Order information

AZ-E1-ETH/AC	E1 to ethernet converter,750hm(BNC connector) and 120ohm(RJ45 connector),10/100Mbps ethernet,power AC 220V
AZ-E1-ETH/DC	E1 to ethernet converter,750hm(BNC connector) and 120ohm(RJ45 connector),10/100Mbps ethernet,power DC 48V
AZ-E1-ETH/R/A	E1 converter,750hm(BNC) and 120ohm(RJ45),10/100Mbps ethernet,power AC220V,19"Rack mount,1U high