

AN-E1-ETH Interface Converter



ORDERING INFORMATION

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SPOTLIGHT

AN-E1-ETH converter provides easy conversion from ITU-T G.703 E1 channel to Ethernet interface. Can used widely in connecting between WAN and LAN, monitoring, etc.

DESCRIPTION

AN-E1-ETH converter provides easy conversion from ITU-T G.703 E1 channel to Ethernet interface. Can be used widely, connecting between WAN and LAN, monitoring, LAN to LAN over E1 leased lines etc. . The Ethernet interface has 10/100Mbps auto negotiation and can be full/half duplex. The E1 is transparent and in full rate, which can support the E1 unframed mode, including fractional E1 n x 64 Kbit/s. A pair of **AN-E1-ETH** offers a cost effective solution for using existing E1 leased lines for transparent Ethernet service. Local management of the AN-E1-ETH Converter is provided via DIP switches. Front panel LEDs monitor the G.703 link, Ethernet LAN and serial ports for status and Loss of Sync. **AN-E1-ETH** compact G.703 Access Converter provides E1/2.048 Mbps Network Termination as well as serial or Ethernet LAN interface conversion in a standalone or rack mount package. **AN-E1-ETH** terminates the G.703 Telco interface and converts the data for transmission to a user-oriented 10BaseT interface.

FEATURE

- E1 can support rate N*64k (N=1 to 32) or unframed E1 G.703
- Upper LED row indicate local status, lower row indicate remote status, easy to understand easy to use
- Based on self -Copyright IC.
- Semi/full duplex self adapt, support VLAN.
- RJ45 interface support auto-mdix.
- Provide 2 clock types: E1 master clock, E1 line clock.
- provide 3 loop functions: local loop, to remote loop, order remote loop.
- Have pseudo random code test function, easy the installation and maintenance.
- Support 2 impedances: 75 Ohm unbalance and 120 Ohm balance.
- Have Ethernet monitor self-reset function, equipment will not dead.
- Provide detecting realtime Ethernet communication status.

PART INFORMATION

AN-E1-ETH/AC E1

10/100BaseT converter 2048Kbps, n x 64 kbit/s framed/unframed, 10/100 Base T, SUPPORT VLAN, AC/110 OR 220 V

AN-E1-ETH/DC E1

10/100BaseT converter 2048Kbps, n x 64 kbit/s framed/unframed, 10/100 Base T, SUPPORT VLAN, DC 48V

SPECIFICATION

E1 interface parameter:

Channel capacity: 1 Channels
Bit Rate: 2.048 Mb/s \pm 50 ppm
Line Code: HDB3
Line Impedance: 120 Ohm / 75 Ohm
Connector: RJ-45 or BNC
Pulse Shape: ITU-T G.703.
Jitter Performance: ITU-T G.823
clock: inter-clock, line-clock

Working environment:

Operating temperature: 0 to 50 °C
Storage temperature: -20; to +70 °C
Relative humidity: 5% to 90% (25 °C no condense)

Ethernet Interface:

Interface Rate: 10/100Mbps
Duplex: half and full duplex self-adapt.
Interface character: match IEEE802.3, IEEE802.1 Q(VLAN)
Connector: RJ45, support auto-mdix
MAC address capability: 4096

Power:

DC: -48V (-36 to -72V); +24 V (Optional)
AC: 90 to 260 VAC ; 47 ~ 63Hz
Power Interface: DC power terminal/AC socket
Power Consumption: 8 W maximum

