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PRODUCT BRIEF

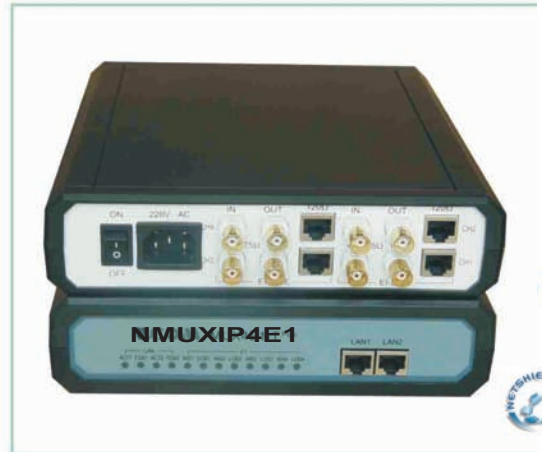
NMUXIP4E1 Ethernet to 4xE1 Protocol Converter

Description

NMUXIP4E1 is a high performance, remote and self-learning Ethernet bridge.

With the up-to-date ASIC circuit design the NMUXIP4E1 can carry out real-time analysis on up to 4 E1 transmission chains, analyse the line quality and cut of the transmission of the chain automatically in cases of open circuit, error code, delay or an alarm to avoid adverse effects on Ethernet transmission. It automatically and continuously learn the MAC address in the connected LAN and transmit the target address of the data frame to another LAN. The two Ethernet interfaces dynamically distribute the bandwidth and can work in different networks. The converter allows transmitting and receiving of VLAN data packets.

It does not perform any negotiations over the link, which is specifically suitable for satellite and other wireless broadcast applications.



Specifications

E1 interface

Comply with ITU G.703,G.704,G.706,G.823
Rate:2.048Mbps
Code type:HDB3
Impedance:75ohm unbalanced & 120ohm balanced optional
Physical connector:BNC coaxial for unbalanced & RJ45 twisted pair for balanced

Ethernet interface

Comply with IEEE802.3/IEEE 802.3u/IEEE802.1Q(VLAN)
Rate:10/100Mbps,Half/Full auto-negotiation
MDI/MDI-X auto-crossover
Physical connector:10/100 Base-T(UTP);RJ45

Power supply

AC power:220V±10%,50Hz
DC power:-48V(optional)
Power:5W

Environment

Temperature:0~40℃
Humidity:0~95% RH

Features

- *Comply with ITU G.703,G.704,G.706,G.823
- *Support transparent E1 channel
- *Full comply with IEEE 802.3/IEEE 802.3u /IEEE 802.1Q(VLAN)
- *Ethernet port 10/100Mbps,Full/Half Duplex mode compatible
- *For E1 interface,75ohm(unbalanced) and 120ohm(balanced) optional
- *Allowing 16ms for transmission time delay of 4 E1
- *Every E1 take 64Kbps channel depletion,the valid bandwidth is 1984Kbps
- *Support bit error-rate testing of every E1 branch. When bit error-rate of some branch is over the limit, the system will automatically turn off and separate the E1 branch
- *Auto-detect the valid E1 channels and auto-balanced the data flow among the valid E1 channels
- *Comprehensive LED indicators on front panel,convenient for the diagnosis of equipment working state
- *-48V DC & 220V AC power supply optional

Typical application

