FES-E1-16Mux/4Eth

16 Port FXO/S+4Eth Over E1

Overview:

FES-E1-16Mux/4Eth provides conversion between ITU-T G.703 standard E1 framed interface and 4ethernet+1~16channels voice interface, can through E1 channel provide 1-16 voice, realize the long-distance extend of telephone line through E1 channel. It also provides one RS232 data channel.

The voice and data multiplexer can automatically connected to the LAN with its uninterrupted learning the MAC address and the address as another purpose of the frame relay LAN. The 16voice and ethernet to E1 interface converters widely used for LAN and Wan networking, control, and so on, and particularly applicable to the network users to the network users with a single E1 channel access data and voice at the same time.

Technical Specifications:

Header :
Brand : FES Product Line : Forever Engineering Systems Pvt. Ltd.

Features:
- realizes long-distance monitoring of local device to the remote device ;   - provides 1~16 channels Ethernet ports,10M/100M,full half duplex self adapt, support VLAN ;   - The Ethernet interface supports AUTO-MDIX(cross over and straight through self adapt) ;   4Ethernet interfaces support channel separate function, can set VLAN based on TAG   - provides two clock types: E1 master clock, E1 line clock;   - provides 3 kinds of loop-return function, namely E1 self-looping at local end, Ethernet self-looping at local end, ordered to self-loop at remote end;   - realize the automatically rate set of local device to remote device ;   - has the function of pseudo-random code testing, convenient for opening of the circuit,and can be used as an error code instrument;   - Ethernet supports rate of N*64k (N=1-32), which can be regulated from 64K to 1098K;   - supports 75Ω unbalanced and 120Ω balanced impedance at the same time;   - Provide Ethernet auto reset function, run more stably ;

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- various Ethernet data indicate functions, which indicate data transmission status timely;
- Provides 1-16 voice channels, support calling indication;
- Voice connector FXO (FXS), FXO connect to PBX and FXS connect to phone;
- support 4 wire E&M
- RS232 channel can transfer asynchronous serial data with self-adaptable baud rate of 300 to 115.200

Technical Specifications:

- **E1 interface**
  Interface standard: Conforms to G.703 standard
  Interface rate: N×64Kbps, N:1～32
  Code: HDB3
  Interface impedance: 75Ω (unbalanced), 120Ω (balanced)
  Connecter: BNC (75 Ω), RJ45 (120 Ω)
  Vibration characteristic: Satisfies G.742 and G.823 standard
  Clock type: internal-clock, line clock
- **10/100Base-T ethernet port**
  Rate：10M/100M, full/half duplex self adapt
  Protocol: support IEEE 802.3, IEEE 802.1Q(VLAN)
  MAC address table: 4096 MAC addresses
  Ethernet Total Memory Sizes: 64MBits SDRAM
  Physical interface：RJ45, support AUTO-MDIX(cross over and straight through self adapt)
- **Voice port**
  FXS phone port
  Ring voltage：75V
  Ring frequency：25HZ
  Two line input impedance：600Ω(hanging off)
  Wastage：40 db
  FXO switch port
  Ring test voltage：35V
  Ring test frequency：17HZ-60HZ
  Two line input impedance：600Ω(hanging-off)
  Wastage：40 db
- **RS232 port**
  Rate：300－115.2Kbps auto-adaptable (Asynchronous)
  Interface characteristic： satisfies ITU-T V.24 standard
  Connector：RJ45
- Working Condition
  Input voltage: AC180V ~ 240V ;DC-48V;DC+24V
  Power consumption: ≤5W
  Operating temperature: 0℃ ~ 50℃
  Storing temperature: －40℃ ~ +70℃
  Relative humidity: 95 %