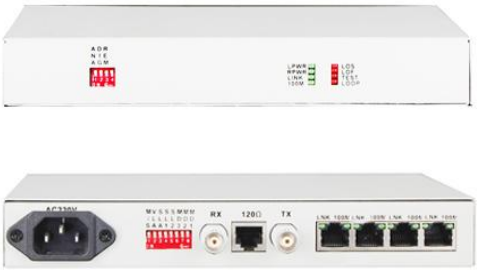
Interface Converter MW80E4

◆ Unframed E1-4FE Converter

➢ Features



- Based on self -copyright IC
- E1 supports any timeslot set, the rate is 64K-2048K
- Can realize monitor and control of remote equipment,
  OAM management data did not take up user's timeslot and save E1 bandwidth
- Have the function of E1 interface loop back check,
  avoid the converter crashed because of interface loop return;
- Have indicator when the device is power-off or E1 line is broken or lose signal;
- Can set the E1 line that not to send the LINK signal to Ethernet interface while E1 line is broken;
- The Ethernet interface supports jumbo frames (1916 Bytes);
- 4Channel 10M/100M Ethernet interface can isolate each other to realize communication independently;
- Ethernet interface supports 10M/100M, half/full duplex auto-Negotiation and
  AUTO-MDIX (crossed line and straightly connected line self-adaptable);
- Provide 2 clock types: E1 master clock and E1 line clock;
- Have three Loop Back Mode: E1 interface Loop Back (ANA)、Ethernet interface
  Loop Back(DIG)、Command the remote Ethernet interface Loop Back(REM)
- Have pseudo random code test function, easy the installation and maintenance;
- Provide 2 impedances: 75 Ohm unbalance and 120 Ohm balance;
- Have Ethernet monitor self-reset function, the equipment will not dead
- Ethernet interface supports the counters of receiving and transmitting frame, receives wrong frame counters.
- E1 interface supports the counters of receiving wrong frame;
- Realize monitor of remote equipment temperature and voltage from local equipment;
- Support SNMP Network Management;
- Can form the structure: Ethernet E1 Bridge(A)－－-E1 Optical Fiber Modem(B)－－-Ethernet Optical Fiber Modem (C)

➢ Introduction

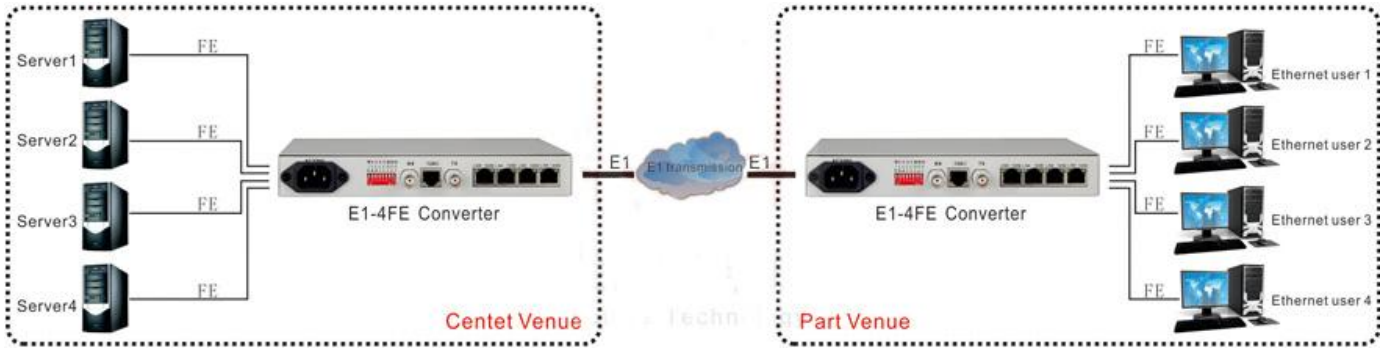
E1-4ETH interface converter is based on FPGA. The device provides the transition between ITU-T G.703 (E1) standard framed E1 interface and 10/100Base-T interface. It is a high capability, self-adaptable long-distance Ethernet bridge. The product is small and with low cost. It is widely used in connecting between WAN and LAN, monitoring, etc

➢ Specification

E1 Interface	
Interface Standard	comply with protocol G.703
Interface Rate	n*64Kbps±50ppm
Interface Code	HDB3
E1 Impedance	75Ω (unbalance), 120Ω (balance)

Jitter tolerance	In accord with protocol G.742 and G.823
Allowed Attenuation	0~6dBm
Ethernet interface (10/100M)	
Interface rate	10/100 Mbps, half/full duplex auto-negotiation
Standard	Compatible with IEEE 802.3, IEEE 802.1Q (VLAN)
MAC Address Capability	4096
Connector	RJ45, support Auto-MDIX
Power	
Power supply	AC180V ~ 260V；DC–48V；DC +24V
Power consumption	≤10W
Dimension	
Product Size	216*140*31mm(W*D*H)
Simple packaging	274*193*84mm(W*D*H)
Piece Weight	1.2KG
Working environment	
Working temperature:	-10° C ~ 50° C
Storage temperature	-40℃～80℃
Humidity	5%～95% (no condensation)
Warranty	3years

➢ Application



➢ Order information

Model NO.	Description
MW70E	Framed E1-FE Converter, AC220V or DC48V
MW80E	Unframed E1-FE Converter, AC220V or DC48V
MW70E4	Framed E1-4FE Converter, AC220V or DC48V
MW80E4	Unframed E1-4FE Converter, AC220V or DC48V
MW704E4	4E1-4FE Logical Isolation, AC220V or DC48V
MW708E4	8E1-4FE Logical Isolation, AC220V or DC48V