Interface Converter MW80E

◆ Unframed E1-FE Converter

➢ Features

- Based on self -copyright IC
- Support unframed mode (2048K) set and can manage the remote device condition ,OAM management data did not take up user's timeslot
- Have the function of E1 interface loop back check, avoid the converter crashed because of interface loop back;
- 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 (2036 Bytes);
- Inter-set dynamic Ethernet MAC address (4,096) with local data frame filtering
- Ethernet interface supports10M/100M, half/full duplex auto- Negotiation and AUTO-MDIX(crossed line and straightly connected line self-adaptable);
- Have Ethernet monitor self-reset function, the equipment will not dead
- Can achieve the remote device setting any 5 mode of Ethernet and can closed the AUTO-MDIX function;
- Provide 2 clock types: E1 master clock and E1 line clock;
- The local device can forced the remote device rate follow it(when the device is unframed mode, that is invalid)
- Have three Loop Back Mode: E1 interface Loop Back (ANA)、Ethernet interface Loop Back(DIG)、Command the remote Ethernet interface Loop Back(REM)
- Provide 2 impedances: 75 Ohm unbalance and 120 Ohm balance;
- Support SNMP Network Management;
- Can realize monitor of remote equipment temperature and voltage from local equipment;

➢ Introduction

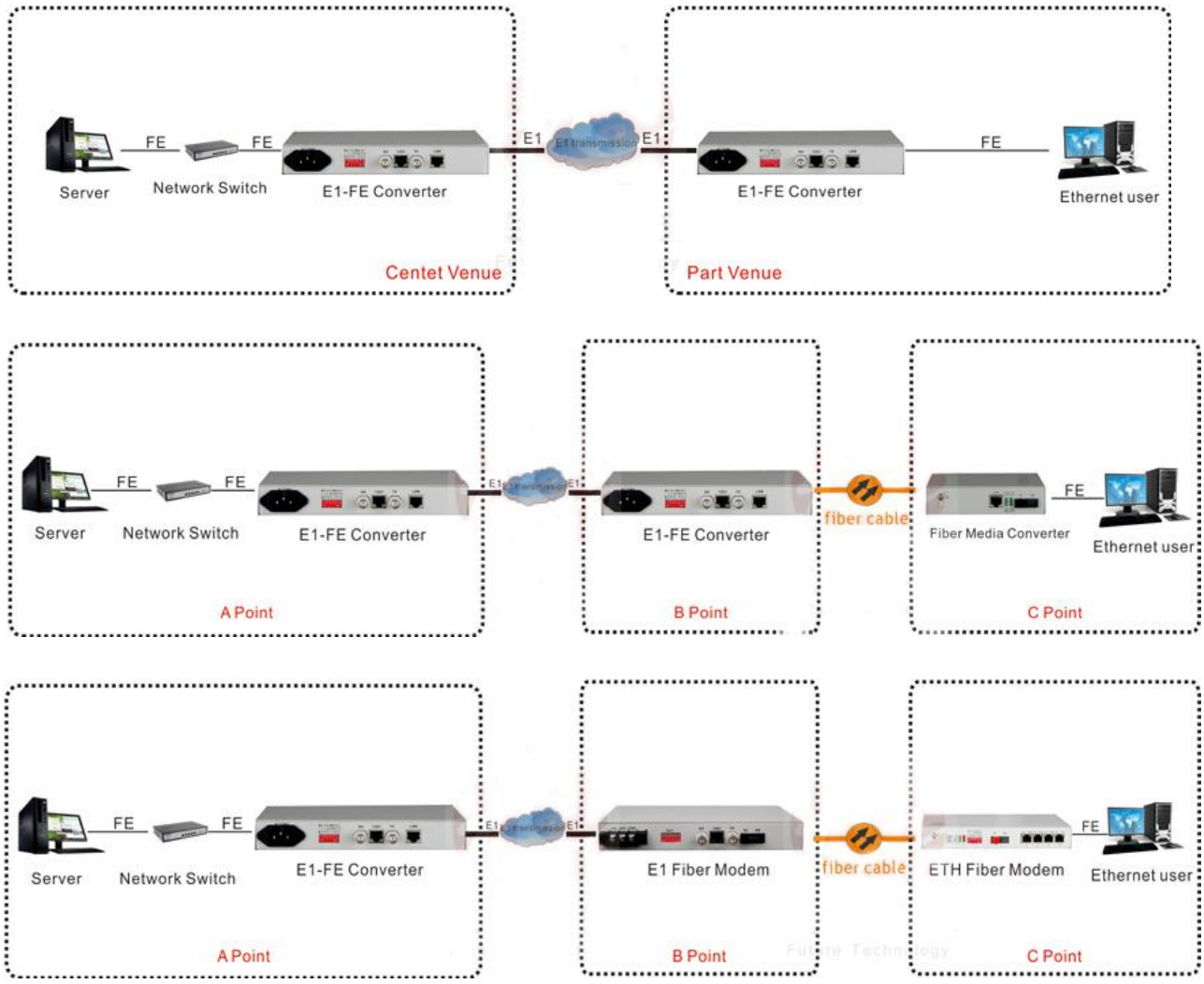
This interface converter provides one unframed 2048K E1 interface and one Ethernet interface to achieve 10/100Base-T Ethernet data transmission on the E1 channel. It is a high performance, self-learning Ethernet bridge. This device is the extension device of Ethernet, using network (PDH/SDH/Microwave) that provide E1 channel to achieve local and remote Ethernet interconnecting with serial interfaces at a lower cost. The device has inter-set loop test function to facilitate the project launching and daily maintenance.

➢ 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