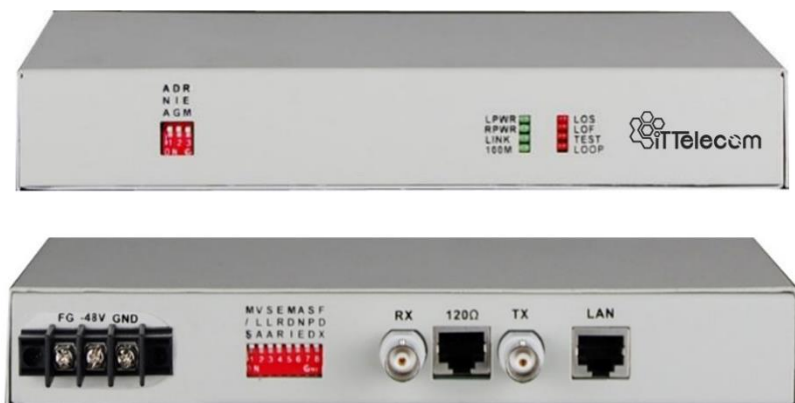


Features:

- 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 supports 10M/100M, half/full duplex auto- Negotiation and AUTO-MDIX (crossed line and straightly connected line self-adaptable);



Description:

The ITT-MU8393 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.

- 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;
- Can form the structure: Ethernet E1 Bridge(A) - - -E1 Optical Fiber Modem(B) - - -Ethernet Optical Fiber Modem (C)
- Can form the structure: Ethernet E1 Bridge(A) - - -Optical Ethernet Modem(B) - - -Ethernet Optical Fiber Transceiver (C),can manage (B) and (C) at (A)

◆ E1 Interface

- Interface Standard: comply with protocol G.703;
- Interface Rate: $n \times 64\text{Kbps} \pm 50\text{ppm}$;
- Interface Code: HDB3;
- E1 Impedance: 75Ω (unbalance), 120Ω (balance);
- Jitter tolerance: In accord with protocol G.742 and G.823
- Allowed Attenuation: 0~6dBm

◆ Working environment

- Working temperature: $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$
- Working Humidity: 5%~95 % (no condensation)
- Storage temperature: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$
- Storage Humidity: 5%~95 % (no condensation)

◆ Ethernet interface(10/100M)

- Interface rate: 10/100 Mbps, half/full duplex auto-negotiation
- Interface Standard: Compatible with IEEE 802.3, IEEE 802.1Q (VLAN)
- MAC Address Capability: 4096
- Connector: RJ45, support Auto-MDIX



Technical Parameters:

• Model	➤ Model Number: FCC-E1F1
• Functional Description	➤ 1channel unframed E1 - FE converter, With E1 loopback detection function
• Port Description	➤ One E1 interface; 1*FE Interface
• Power	➤ Power supply: AC180V ~ 260V; DC -48V; DC +24V ➤ Power consumption: $\leq 10\text{W}$
• Dimension	➤ Product Size: Mini type 216X140X31mm (WXDXH), 1.3KG/piece ➤ 19inch 1U type 483X138X44mm (WXDXH), 2.0KG/piece

