UPCOM

Fiber Optic Modems   **MW70F**

◆ Framed E1 Fiber Modem

➢ Features

- Based on self -copyright IC
- Can detect the reason of optical signal losing is that the device power-off or transmission fiber broken
- Provide 2 impedances: 75 Ohm unbalance and 120 Ohm balance;
- After strict testing and practical verification system, completely comply with protocol ITU-T V.35, G.703, G.704
- The hardware realizes any one of 31 time slot any time slot optional (valid when framed)
- Have three Loop Back Mode: E1 interface Loop Back (ANA)、 V.35 interface Loop Back(DIG)、Command the remote V.35 interface Loop Back(REM)
- Have pseudo random code test function, easily line opened, can be used as a 2M BER Tester
- AC 220V, DC-48V, DC+24V, DC Power and Polarity-Free

➢ Introduction

This device provides one Framed E1 interface and one optical interface to achieve interface conversion, rate conversion and timeslot extraction from E1 to Optical. When unframed mode, the data channel rate is 2.048Mbps. The device has inter-set loop test function to facilitate the project launching and daily maintenance

➢ Specification

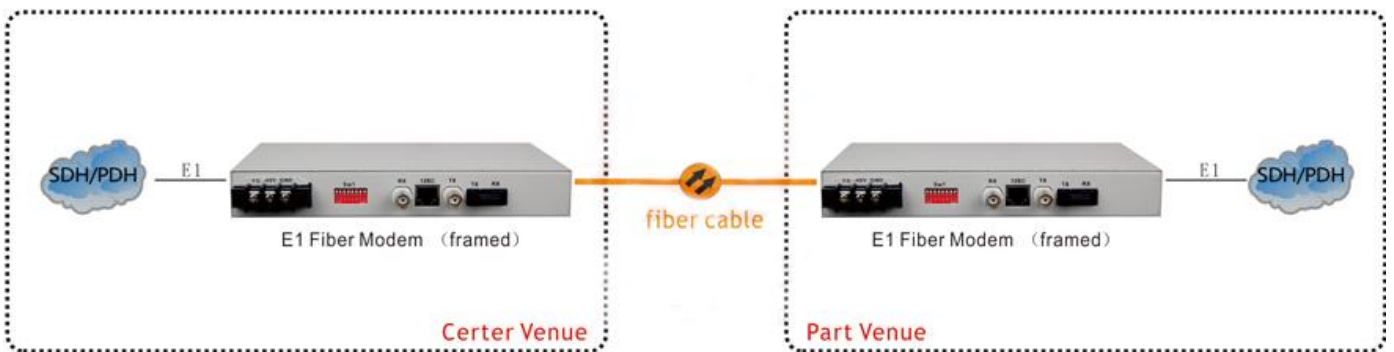| Fiber interface	
Multi-mode Fiber	
Maximum transmission distance	5Km @ 62.5 / 125um single mode fiber, attenuation (3dbm/km)
Wave Length	820nm
Transmitting power	-12dBm (Min) ~-9dBm (Max)
Receiver sensitivity	-28dBm (Min)
Link budget	16dBm
Single-mode Fiber	
Maximum transmission distance	40Km
Transmission distance	40Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)
Wave Length	1310nm
Transmitting power	-9dBm (Min) ~-8dBm (Max)
Receiver sensitivity	-27dBm (Min)
Link budget	18dBm
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
Power	
Power supply	AC180V ~ 260V；DC−48V；DC +24V
Power consumption	≤5W
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
MW70F	Framed E1 Fiber Modem，AC220V or DC48V
MW80F	Unframed E1 Fiber Modem，AC220V or DC48V