



◆ 2.048M V.35 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
- The local device can forced the remote device rate follow it(valid when framed)
- 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
- 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
- V.35 interface supports hot-plug, supports DTE or DCE device interconnection
- Provide 3 clock types: Internal clock, External clock,E1 line clock;
- AC 220V, DC-48V, DC+24V, DC Power and Polarity-Free



➤ Introduction

This device provides one fiber interface and one V.35 interface to achieve interface conversion, rate conversion and timeslot extraction from fiber to V.35 interface. 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

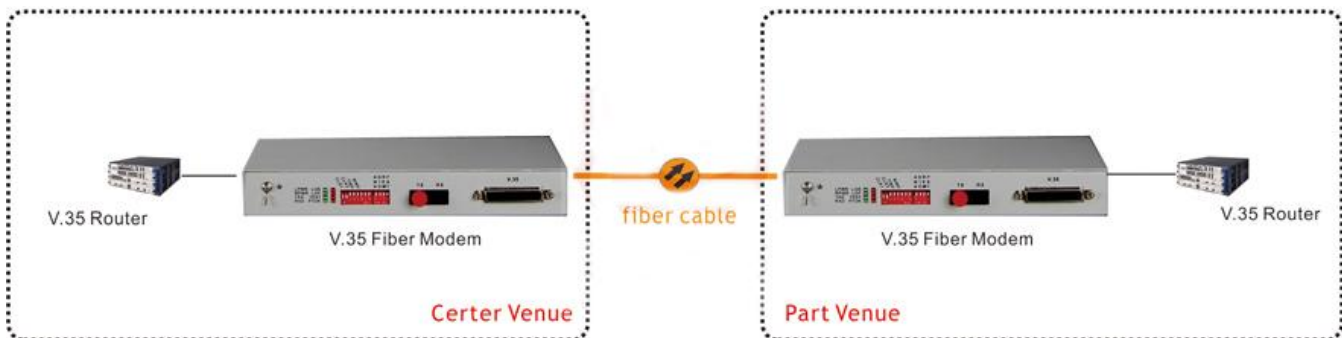
Maximum transmission distance	40Km
Transmission distance	40Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)
Wave Length	1310nm
Transmitting power	-9dBm (Min) ~-8dBm (Max)
Receiver sensitivity	-27dBm (Min)
Link budget	18dBm

V.35 Interface

Interface rate	2048Kbps
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Standard	Compatible with V.35 Standard
Connector	DB25
Connect Mode	DCE
Clock Type	Internal clock, External clock, V.35 external clock
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°C ~ 80°C
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
MW90F	2.048M V.35 Fiber Modem, AC220V or DC48V
MW60F	CAN BUS Fiber Modem, AC220V or DC48V