



## 2.048M V.35 Fiber Modem

OP-FM-V.35-2.048



Shenzhen Optostar Optoelectronics Co., Ltd

2013. 05 (Version 2)

## Overview

OP-FM-V.35-2.048 V.35 Fiber Modem 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.

## Product Features

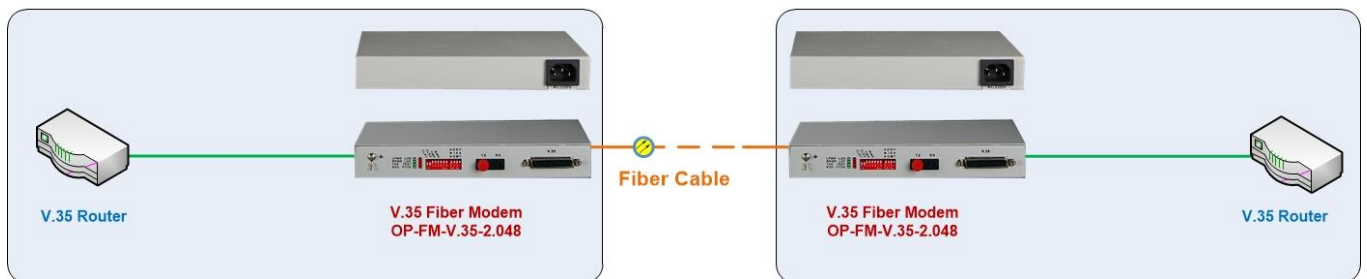
- Based on self -copyright IC
- Can detect the reason of optical signal losing is that the device power-off or transmission fiber broken
- The local device can forced the remote device rate follow it(valid when framed )
- Provide 2 impedances: 75 Ohm unbalance and 120 Ohm balance;
- After strict testing 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

**Technical Parameter**

<b>OP-FM-V.35-2.048 2.048M V.35 Fiber Modem</b>	
<b>Optical interface</b>	
<b>Multi-mode Fiber</b>	
Diameter of fiber core	50/125um, 62.5/125um
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
Connector	SC/FC
<b>Single-mode Fiber</b>	
Diameter of fiber core	8/125um, 9/125um
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
Connector	SC/FC
<b>V.35 Interface</b>	
Interface rate	2048Kbps
Interface Standard	Compatible with V.35 Standard
Connector	DB25
Connect Mode	DCE
Clock Type	Internal clock, External clock,V.35 external clock
<b>Dimension</b>	
Product Size	216X140X31mm(WXDXH)
Simple packaging	274X193X84mm(WXDXH)
Piece Weight	1.2KG
<b>Operation Environment</b>	
Operating temperature	0°C~50°C
Storing temperature	-40°C~+70°C
Relative humidity	95 %

No causticity and solvent, dust free, and no strong magnetic interference.	
<b>Power</b>	
Voltage	AC180V ~ 260V; DC -48V; DC +24V
Consumption	≤5W
<b>Warranty</b>	2 Year Warranty, Life-time Maintenance

### Application



### Order Information

Model	Description
OP-FM-V.35-2.048	2.048M V.35 Fiber Modem

### Package include

No	Package List
1	2.048M V.35 Fiber Modem
2	User Guide
3	Warranty Card

### Important Notice

Performance figures, data and any illustrative material provided in this data sheet are typical and must be specifically confirmed in writing by OPTOSTAR before they become applicable to any particular order or contract. In accordance with the OPTOSTAR policy of continuous improvement specifications may change without notice.

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