



FE Fiber Modem (Bandwidth 2M)

OP-FM-FE



Shenzhen Optostar Optoelectronics Co., Ltd

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Overview

OP-FM-FE FE Fiber Modem provides one fiber interface and one Ethernet interface to achieve 10/100Base-T Ethernet data transmission on fiber channel. It is a high performance, self-learning Ethernet bridge. This device is the extension device of Ethernet, using network 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.

Product Features

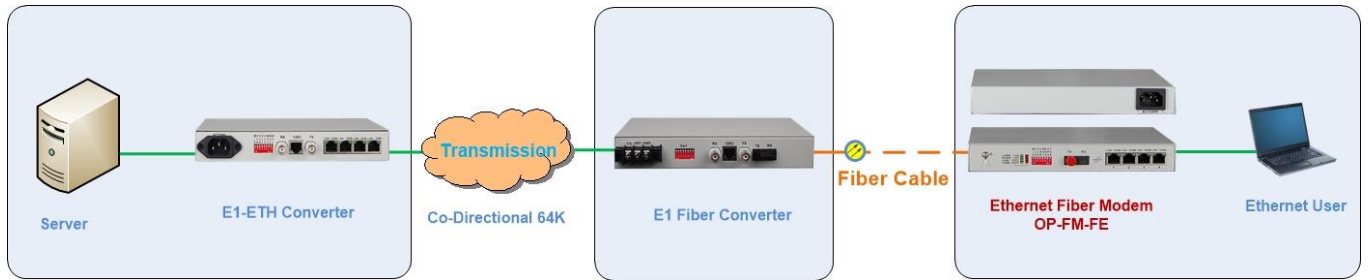
- Based on self -copyright IC
- The device can manage the remote device condition , OAM management data did not take up user' s timeslot
- The local device can forced the remote device rate follow it
- The Ethernet interface supports jumbo frames (2036 Bytes);
- Inter-set dynamic Ethernet MAC address (4,096) with local data frame filtering
- Optical Ethernet Interface supports 100M, full duplex
- 1Channel 10M/100M Ethernet interface can isolate each other to realize communication independently
- Have Ethernet monitor self-reset function, the equipment will not dead
- The local device can forced the remote device rate follow it(when the device is unframed mode, that is invalid)
- Support SNMP Network Management
- The device supports unframed mode (2048K) set, it can the remote device condition when unframed
- Ethernet interface supports 10M/100M, half/full duplex auto- adaptable, support VLAN
- Ethernet interface supports AUTO-MDIX (crossed line and straightly connected line self-adaptable)
- Can form the structure: ETH+E1 (A) — — -E1 Optical Fiber Modem(B) — — -Ethernet Fiber Modem (C)

Technical Parameter

OP-FM-FE FE Fiber Modem	
Optical interface	
Multi-mode Fiber	
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
Single-mode Fiber	
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
Ethernet interface(100/100M)	
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
Dimension	
Product Size	216X140X31mm(WXDXH)
Simple packaging	274X193X84mm(WXDXH)
Piece Weight	1.2KG
Operation Environment	
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.	
Power	

Voltage	AC180V ~ 260V; DC -48V; DC +24V
Consumption	≤5W
Warranty	2 Year Warranty, Life-time Maintenance

Application



Order Information

Model	Description
OP-FM-FE	FE Fiber Modem

Package include

No	Package List
1	FE 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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