Fiber Optic Modems   MW20F

◆ RS422 Fiber Modem（Desktop Type）

➢ Features

- Based on self -copyright IC
- Have the ability to automatically detect the baud rate of serial port signal
- Automatically test the reason of the device matt is that the device is power off or E1 line is broken.And then indicate on the LED
- Serial port interface lightning-protection reached IEC61000-4-5 (8/20μS) DM(Differential Mode): 6KV,Impedance (2 Ohm), CM(Common Mode): 6KV, Impedance (2 Ohm) standard
- Support SNMP Network Management
- Serial channel can transmit adaptable serial data asynchronously 300-921.6Kbps baud rate

➢ Introduction

This device is based on FPGA, which supports asynchronous RS422 communication interface Fiber Modem. The device is the best choice of connecting to the remote terminal unit (RTU) to a host (HOST) or a distributed data acquisition system (SCADA) controllers, with very high performance price ratio. Using ordinary multi-mode fiber, effective communication distance is up to 4KM, while using ordinary single-mode fiber, effective communication distance up to more than 40KM. Serial port communication rate is up to 921.6KBPS. As a result of the fiber as a transmission medium, you can completely avoid the threat to communication device under the adverse environment, such as lightning, surges and electromagnetic interference, at the same time it saves investments of the original lightning surge protection devices that using copper.

➢ Specification

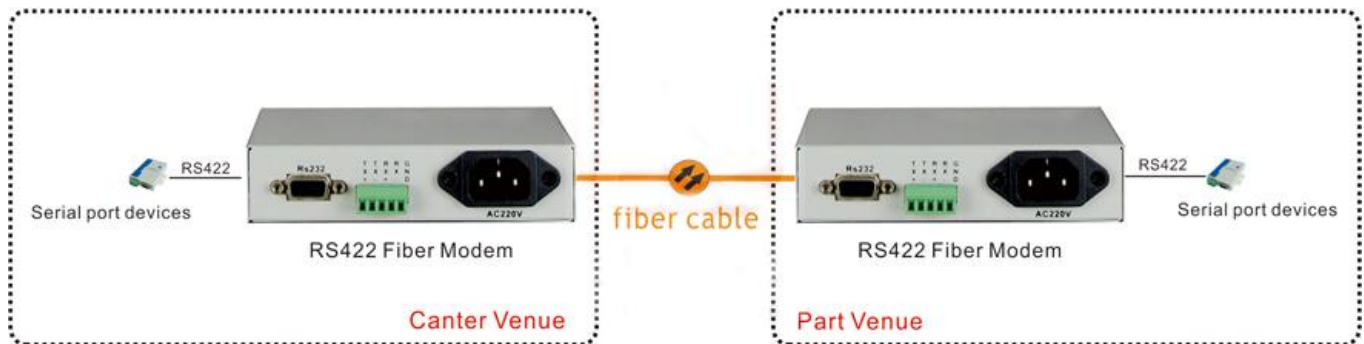| Fiber interface	
Multi-mode Fiber	
Maximum transmission distance	5Km @ 62.5 / 125um single mode fiber, attenuation (3dbm/km)
Wave Length	820nm
Transmitting power	-12dBm (Min) ~-9dBm (Max)
Receiver sensitivity	-28dBm (Min)
Link budget	16dBm
Single-mode Fiber	
Maximum transmission distance	40Km
Transmission 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
Serial interface	

Standard	EIA/TIA-422 RS-422 (ITU-T V.11)
RS-422	TXD+, TXD-, RXD+, RXD-, Signal Ground
Power	
Power supply	AC180V ~ 260V；DC–48V；DC +24V
Power consumption	≤10W
Dimension	
Product Size	103*93*28mm(W*D*H)
Simple packaging	200*176*55mm(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
MW10F	RS232 Fiber Modem, AC220V or DC48V
MW20F	RS422 Fiber Modem, AC220V or DC48V
MW30F	RS485 Fiber Modem, AC220V or DC48V
MW50F	RS232/422/485 Fiber Modem, AC220V or DC48V