RS485 + RS422 To Fiber Optic Extender

RS-485/422

MODEL: RS485/422

Product Name: RS485/422 optical fiber MODEM

Type: independent desktop, external power supply

Size: 100 mm x 89 mm x 26 mm (Lx WXH)

Weight: 230G/set

Packaging: standard paper packaging

Product Description:

The unit is a multi-functional RS485/422 interface optical fiber MODEM. It is the best choice to connect the remote terminal unit (RTU) to the host computer (HOST) or the distributed data acquisition system (SCADA) controller.

The product uses optical fiber as the transmission medium, which improves the transmission performance of the system and effectively avoids the threat of lightning strikes,surges and electromagnetic interference to the communication equipment in the harsh environment.

Product Features:

1. Zero delay automatic forwarding.

2. Asynchronous transmission, point-to-multipoint application, RS485/422 interface andoptical fiber conversion.

3. Automatically detect serial port speed, identify and control data transmission direction

4. Maximum communication rate 500Kbps.

5. 5VDC voltage input.

6. Working wavelength: 1310nm.

7. Interface provides 1500W surge protection and 15KV static protection

8. Multi-mode communication reaches 500 meters and single-mode communication reaches 20 kilometers.

9.RS-485/422 supports 32-bit polling.

Communication indicators:

Standard	Conform to EIA RS-485, RS-422
RS-485 signal	T+,T-,GND
RS-422 signal	T+,T-,R+,R-,GND, cross connect
Fiber signal	IN,OUT
Work mode	Asynchronous work, point-to-point
Direction control	Automatic control technology of data flow direction is adopted toautomatically identify and control data transmission direction
Baud rate	0-120Kbps, automatic detection of signal rate Baud rate
Fiber wavelength	Multimode/Single-mode 1310nm
Transmissiondistance	RS-485/422 port 1200meters
Fiber transmission distance	Multimode up to 500meters. Single-mode up to 20Km
Interface protection	600W surge protection, 1500V static protection
Load capacity	RS-485/422 port supports 32 nodes
Wire connection way	5-pin terminal/serial port DB9
Fiber port optional	Muti-mode optional SC interface, single-mode SC interface

Environmental requirements:

1. Ambient temperature: - 30 'C~+75 "C

2. Storage temperature: - 50 'C~+85 "C

3. Relative humidity: 0~95% (no cold condensation)

4. Rated power supply voltage: AC85-260V/50Hz

5. MTBF: ≥ 105 hours

6.Power consumption:5w(Input: DC5V2000mA)

Scope of application:

1. Access control system

2. Alarm control system

3. POS card swiping networking system

4. Industrial data equipment control system

5. LED screen control

6. Transportation networking system