RS232/485/422 TO POE ETH (B)

Overview

The 4-in-RS232/485/422 device that supports POE passive power supply, which can be used for data transmission and power supply at the same time. It supports RS232/485/422 DB9, etc. Adopting RS232/485/422 bus 5V/1.5KV isolation protection, with strong anti-surge capability, to protect the front-end equipment. Standard 35mm guide rail installation, industrial grade design, can be used in a wide temperature range of -40 ~ 75 ℃ environment.

Port	RS232/RS422 TO RS485 (B)
Power supply	Support POE power supply (802.3af standard), DC power supply
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Consumption current	Static:80mA@12V; 1.A Max@12V
Serial port	1 channel RS232/485/422, DB9 female port
Serial standard	RS232: RS485/422: RS485/422
Ethernet	10/100M self-adaptive, RJ45 port, support Auto MDI/MDIX, 1.5KV electromagnetic isolation protection
Ethernet	10/100M self-adaptive, RJ45 port, support Auto MDI/MDIX, 1.5KV electromagnetic isolation protection
Serial port	300-460800bps
Data bit	5bits, 6bits, 7bits, 8bits, 9bits
Stop bit	1bit, 1.5bits, 2bits
Parity bit	None, Odd, Even, Mark, Space
Flow control	Full-duplex and half-duplex, support serial port reset
Indicator	PWR, ETH, TXD, RXD
Working temperature	-40°~ +75°C
Working humidity	5% ~ 95% (no condensation)
Dimension	114.5*84.5*27.4 mm

Click this to download the user manual: Japanese and English versions.

Network Interface

Ethernet Feature

- Support 10/100M, full duplex, MDI/MDIX self-adaptive, Allows data up to 100 Mbps. It can be connected to Ethernet devices such as computers, switches, routers, or can be connected to an IP LAN.
- Support Auto MDI/MDIX self-adaptive, the detection algorithm is fast, and the line can be used. No need to worry about the connection type.
- Support the function of working in MDI/MDIX, which can detect connection, which is convenient for debugging and maintenance.
- Support 1.5KV electromagnetic isolation protection, which can effectively protect the safety and reliability of the device.
- Support 256 connections simultaneously, support TCP/IP, UDP, IP connectivity, and DHCP protocol, which can be set to automatically obtain IP.
- Support network parameter settings, and support network search, which can be searched and configured on the same network segment.
- Support running TCP Client/Server status, and the data processing and running of the serial port server.

Ethernet Software Feature

- Adopts Modbus gateway function, supports Modbus RTU to Modbus TCP, host computer software can be used directly, and the host computer can read the device through the network port, which is convenient for networking.
- Supports multi-host function. At the same time of one platform and one network, it supports multiple host computers to access the device at the same time, and the data can be read and written.
- Supports DHCP dynamic function.
- Supports DNS to Modbus RTU and DNS server protocol, supports global time to RTU RTC synchronization.
- Supports multi-network segment and multi-gateway settings, which can be set to access devices on different network segments and different gateways.
- Supports custom heartbeat package and registration package function, it can facilitate management platform to manage the device online.
- Supports network search function, which can search the device on the network segment in a direct connection capacity.
- Supports network configuration and debugging function with http and the host can directly use TCP/IP command to configure and debug the device on the network.

Application

- Industrial automation can be used directly on the IoT gateway.
- Security and monitoring, with Modbus protocol, can be used directly.
- Remote monitoring and equipment decoded for various industries first.
- Wireless data transmission, wireless networking, remote control.
- Networking of equipment in the intranet, remote control and access.

Port Test

Ethernet Connection

Generally, the end device with the network port is connected to the server, and hubs, and Ethernet switches are connected to the network through twisted pairs. The network port of the device is connected to the network port of the computer, and the network port of the computer is connected to the server, and the network port of the device is connected to the server. The Ethernet port can be connected to the server through the network cable, and the network port of the device can be connected to the server through the network cable. The network port of the device can be connected to the server through the network cable. The network port of the device can be connected to the server through the network cable. The network port of the device can be connected to the server through the network cable.

Ethernet Installation

Insert one end of network cable into the network port on the device, and insert the other end of the network cable into the network port on the computer, and connect the corresponding power supply.

- Ethernet port
- Ethernet port connection

Click to download: Quick Configuration Guide for Software for Model TTL RS232 RS485 RS422 Ethernet Gateway Serial Port Server

Serial Port

Connection Method

- Serial
- Ethernet to serial

Serial

The serial port is the serial server of the device, and the device and the serial device are connected through the serial port. The serial port of the device is connected to the serial port of the serial device. The serial port of the device is connected to the serial port of the serial device. The serial port of the device is connected to the serial port of the serial device.

In addition, you need to open serial port assistant and set it to the TCP mode. Enter the target IP and port of the server-side, and click Open to establish a TCP connection.

Click "Connect" to establish a connection between the serial port and the server. Then, you can send and receive data between the serial port and the server. Finally, click "Disconnect" to disconnect the serial port from the server.

Next, open the device management, and double-click the device that needs to be serial server. Enter the device's IP address in the pop-up window, and click "Connect". Then, you can see the serial port of the device in the device management. Finally, click "Disconnect" to disconnect the serial port from the server.

Click "Add" to add a new serial port, and select the serial port that needs to be serial server. Then, click "Connect" to establish a connection between the serial port and the server. Finally, click "Disconnect" to disconnect the serial port from the server. Finally, click "Disconnect" to disconnect the serial port from the server.

Ethernet to Serial

To begin, connect the device to the serial port and power it on. Next, open the device management software and click on the "Add" button. Enter the device's IP address in the pop-up window and click "Connect". Then, you can see the device in the device management. Finally, click "Disconnect" to disconnect the device from the server.

Next, open the serial port assistant and set it to the TCP mode. Enter the IP address of the device and the port number, and click "Connect" to establish a connection. Finally, click "Disconnect" to disconnect the serial port from the server.

Finally, open the device management and double-click the device that needs to be serial server. Enter the device's IP address in the pop-up window, and click "Connect". Then, you can see the serial port of the device in the device management. Finally, click "Disconnect" to disconnect the serial port from the server.

Click "Add" to add a new serial port, and select the serial port that needs to be serial server. Then, click "Connect" to establish a connection between the serial port and the server. Finally, click "Disconnect" to disconnect the serial port from the server.

FAQ

Question

Question:What should I do if I find that the device TCP connection is useless and cannot be used?

Answer:

1. Set a static IP for access.
2. Increase the maximum number of TCP links (default number: 32).
3. The computer runs in the ARP cache table, and the device is automatically updated. Generally, the ARP cache table will be updated automatically. Let the device and computer communicate.

If it still doesn't work, try a factory reset.

Question:How to restore factory settings for RS232/485/422 TO POE ETH (B)?

1. Find the default parameter and modify the setting.

Question:What should I do if the data exchange interface cannot be opened?

Answer:

After the power is on, configure the software TCP / UDP. Select Modbus under the configuration protocol. Select the corresponding serial port number, baud rate, data bit, stop bit, and parity bit.

Technical Support

Do you have any questions about this product? Our technical support team is here to help you. Click the button below to contact us and we will get back to you as soon as possible.

System Days

Support