



■ Introduction

TRP-C34M are able to convert between Modbus TCP and Modbus RTU/ASCII protocols, 4 ports RS232/422/485 ports can choose connect the Modbus RTU/ASCII slave serial devices up to 31 Device independent.

The TRP-C34M can run at industrial environment Ethernet serial server, wide range power input and serial communicate 3KV isolated protection; a pinhole reset button is used to reset TRP-C34M to the factory default setting.

The Cviotfinder Search Utility allows you to locate the TRP-C34M and change parameters on the network.

The TRP-C34M provides a watchdog timer function that allows the system to automatically recover from a system crash. When the TRP-C34M microprocessor stop working correctly, the watchdog timer waits for a preset period of time and performs a hardware reset.

TRP-C34M 4-Port Modbus TCP to RTU /ASCII 3KV Isolated Gateway with Watchdog

■ Features

- Wide input range DC power supply.
- Provide 3KV optical isolation protection.
- Supports Ethernet Mode like TCP Server, TCP Client, and UDP.
- Support Auto-MDIX twisted pair crossover detection and auto-correction.
- Maximum allowed bandwidth is 460 Kbps per Serial Port.
- Supports PPPoE , DDNS , NTP , FTP , Telnet.
- Runs in Stand Alone Mode.
- Built in Restore Factory default push button.
- Auto direction RS485 flow control by hardware.
- Virtual COM drivers for WIN XP /Vista/2003Server/2008 Server (32-bit & 64-bit), 2000 Server OS, Win 7 (32-bit & 64-bit),WIN8/8.1(32 bit&64bit).
- Power/Link and 4 pairs serial RX/TX mode LED indicator.
- Support screw terminal and standard external DC power adaptor.
- Panel mounts support.

■ Specifications

- CPU:32 bit 580MHZ with MMU.
- Power Input Voltage: DC +9V to +24V.
- LAN: Auto-MDIX, 10/100 Mbps Auto-detecting.
- RS-232: TX, RX, GND.
- RS-422: TX+, TX-, RX+, RX-.
- RS-485: Data +, Data -.
- Data Rate: 75~230.4Kbps.
- Parity: none, even, odd.
- Data Bits: 5, 6, 7 or 8.
- Stop Bits: 1, 2.
- Configuration through Windows Admin Utility / Web Console / Telnet Console.
- Protocol: ARP , IP , ICMP , UDP , TCP , HTTP , DHCP,PPPoE , DDNS , NTP , FTP , Telnet.
- Power supply: Screw terminal, or standard external DC adapter.
- Serial interface: +/-15 KV ESD.
- RS422/485 interface: Surge, over current, over voltage protection.
- Serial terminal and Ethernet with 3KV Optical Isolation.
- Power consumption: 12V/400 mA .
- Operating Temperature: -20 °C to 65 °C.
- Humidity: 0~90% Non-Condensing.
- Dimensions: 180(L)*110(W)*30(H) /mm.
- Weight: 400g (W/Packing).

TRP-C34M 4-Port Modbus TCP to RTU /ASCII 3KV Isolated Gateway with Watchdog

■ Application Note

