



■ Introduction

. **TRP-C34H** 4 RS232/422/485 Serial Server provides a transparent way of connecting Serial devices over Ethernet. It can transmit data between the Serial and Ethernet interfaces bi-directionally. To establish automatic or remote data acquisition, TRP-C34H Serial Server Solution can connect to TRP-C08S/C08U/C08H and C08X/C29U with only one IP address.

By specifying the IP address and the TCP Port number, a host computer can access different Serial Devices such as Serial Modems, Serial Thermometers, Magnetic Card Readers, Barcode Scanners, Data Acquisition Systems, POS Terminals, Industrial PCs etc., over the Network. By using TRP-C34H Serial Server, you can centralize Serial Device management and distribute the management to different hosts at the same time. TRP-C34H Serial Server makes possible to access distant Serial Devices over Network as if they were directly connected to the Standard COM Port of a Personal Computer. TRP-C34H Serial Server supports 4/6/8/10/12/14/16 Serial Ports and allows you to control that much number of RS-232/RS-422/RS-485 Serial devices over Ethernet. TRP-C34H Serial Server supports different modes of operation allowing user to operate the system in different environments. Real COM Mode/ TCP Server Mode / TCP Client Mode/ UDP Mode.

TRP-C34H hardware support wide range power input, the 4 RS422/485 interface with surge, over current, over voltage protection, the RS485 interface built-in hardware decoder ensure RS485 data without lost, Specify hardware can ensure on line RS485 device working fine. The TRP-C34H has four synchronous DB-9 serial port for RS232 connection and 4 screw terminal block for RS422/485 and power connection. The Ethernet port support Auto-MDIX and auto-select 10/100MB.

TRP-C34H Ethernet to 4 RS232/422/485 Converter

■ Features

- Wide input range DC power supply.
- Support Auto-MDIX twisted pair crossover detection and auto-correction.
- Can Up to 6/8/10/12/14/16 RS-232/422/485 Serial Ports.
- Each Port Maximum Connection 4 Hosts PC at TCP Server Mode.
- External 3 USB port, each port can connect TRP-C08S/TRP-C08U/TRP-C08H/TRP-C08X/TRP-C29U.
- Maximum allowed bandwidth is 460 Kbps per Serial Port.
- Supports Web Console, Serial and Telnet Console.
- Runs in Stand Alone Mode.
- Supports Restore Factory Defaults push button.
- Features Accessible IPs List to add or remove "legal" remote host IP Addresses to prevent unauthorized access to Serial Server.
- Features Auto IP Address Report to periodically report the IP Address of Serial Server to the assigned Host on Network.
- Auto direction RS485 flow control by hardware .
- Surge protection and over current and over voltage on RS-422/485 data lines.
- Virtual COM drivers for Windows 32bit XP / Vista / 2003 Server / 2008 Server (32-bit & 64-bit), 2000 Server OS, Win 7 (32-bit & 64-bit). Real COM drivers for Windows XP/WIN7/VISTA.
- Fully compatible with Ethernet and TCP/IP protocol.
- Supports 10/100 Mbps Ethernet.
- Power/Link and UART RX/TX mode LED indicator.
- Support screw terminal and standard external DC power adaptor.
- Din rail or panel mounts support.

■ Specifications

- Power Input Voltage: DC +10V to +30V
- LAN: Auto-MDIX, 10/100 Mbps Auto-detecting.
- RS-232: RI, TX, RX, RTS, CTS, DTR, DSR, DCD, GND
- RS-422: TX+, TX-, RX+, RX-.
- RS-485: Data +, Data -.
- Data Rate: 75~921Kbps .
- Parity: none, even, odd.
- Data Bits: 5, 6, 7 or 8.
- Stop Bits: 1, 1.5 or 2.
- Configuration through Utility / Web Console / Telnet Console.
- Supports Real COM mode using RFC 2217 protocol.
- Features Auto IP Address Report to periodically report the IP Address of Serial Server to the assigned Host on Network.
- Protocol support for ICMP, TCP/IP, UDP, DHCP, BootP, Telnet, DNS, SNMP, HTTP, SMTP, SNTF.
- Power supply: Screw terminal, or standard external DC adapter.
- External P1,P2,P3 connector: USB A Type, Power consumption: 500mA/5V.
- Serial interface: +/-15 KV ESD.
- RS422/485 interface: Surge, over current, over voltage protection.
- Power consumption: 12V/450 mA.
- Operating Temperature: 0 to 65 °C.
- Humidity: 0~90% Non-Condensing.
- Dimensions: 145(L)*118(W)*26(H) /mm.
- Weight: 728g (W/Packing).

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■ Application Note

