TRP-C34R
4 RS232/422/485 Serial Device 3KV Isolated Server

Introduction

. **TRP-C34R** 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.

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-C34R Serial Server, you can centralize Serial Device management and distribute the management to different hosts at the same time. TRP-C34R Serial Server makes possible to access distant Serial Devices over Network as if they were directly connected to the COM Port of a Personal Computer.
TRP-C34R Serial Server supports 4 Serial Ports and allows you to control that much number of RS-232/RS-422/RS-485 Serial devices over Ethernet.
TRP-C34R 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-C34R 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-C34R 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.

Features

■Wide input range DC power supply.
■Supports Socket operation modes like TCP Server, TCP Client, and UDP using TCP/IP and UDP protocols.
■Support Auto-MDIX twisted pair crossover detection and auto-correction.
■Each Port maximum connection 4 host PC at TCP Server and TCP Client Mode.
■Maximum allowed bandwidth is 230.4 Kbps per Serial Port.
■Supports Web Console, Telnet Console.
■Runs in Stand Alone Mode.
■Built in Restore Factory default push button.
■Features Accessible Imps 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 WIN 32bit XP /Vista/2003Server/2008 Server (32-bit & 64-bit), 2000 Server OS, Win 7 (32-bit & 64-bit) ,Win 8/8.1 (32-bit & 64-bit).
■Fully compatible with Ethernet and TCP/IP protocol.
■Supports 10/100 Mbps Ethernet.
■Power/Link and 4 pair 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: 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 ℃ to 65 ℃.
■Humidity: 0~90% Non-Condensing.
■Dimensions: 180(L)*110(W)*30(H) /mm.
■Weight: 400g (W/Packing).

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▪▪ Application Note

TCP or Real COM Mode