



Features:

- Support 2 485 serial ports, the interface type are terminal.
- Provide an extra Ethernet interface, can be used as switch or cascade.
- Provide two power input forms: terminal and DC plug, the input voltage is 9~24V.

Description:

ITT-SR4759 is a 2 ports protocol converter between RS232/485/422 and TCP/IP. ITT-SR4759 serial device server is a 2 ports protocol converter between RS232/485/422 and TCP/IP developed by ITTelecom. ITT-SR4759 support 2 RS232 ports, 2 RS422/485 ports, can realize 2 serial ports simultaneous full-duplex working through connecting to ITT-SR4759 via a cable. The RS485 interface is green terminal interface, the RS232/RS485 are RJ45 Ethernet port connection interface. ITTelecom can equip RJ45 to DB9 cable, 2 such line connecting to 2 RJ45 RS232 interface can lead out 2 DB9 male RS232 splice. Also 5200 provide an extra Ethernet interface, can be used as switch or cascade. ITT-SR4759 support extending to 4/6/8 ports through cascade Ethernet port. 5200 provide 2 power connecting methods of power plug and terminal, wide range voltage, as well provide shell grounding protection.



- Support full duplex, high speed converting, and no packet lost.
- High cost performance.
- Support TCP Server, TCP Client, UDP mode, and if communicating with ITTVirCom (our software), it automatically change to Real Com Driver Mode.
- Support band rate 1200~460800bps, data size 5~9bits, parity of None, Odd, Even, Mark, Space. Support CTS/RTS hardware flow control.
- Embedded with 485 lightning protection function.
- Equipped freely with our Windows Virtual Serial & Device Management Tool ITTVirCom. It supports virtual serial and searching device or modifying parameters with ITTVirCom.
- Provide device management library (Window DLL library). It will help user to develop program with VC, VB, Delphi, C++ Builder. User need only use read() or write() function to communicate with ITT-SR4759.
- The innovative disconnecting detecting method. Whether it running in TCP Server mode or TCP Client mode, once network is disconnected by some reason, the disconnecting detecting method will detected it and reestablished the connecting.
- Suitable for Modbus RTU networking upgrading. It is compatible with the software of SCADA/HMI software of Ittelecom Optical Technology Co. Ltd; Also it support directly transform Modbus TCP to Modbus RTU.
- With build-in Web server, its parameters can be modified by web browser.

- Support DHCP, easy for IP management and solve IP confliction.
- Support DNS. It fulfills the need of access data server through domain name.
- Support up to 100 TCP connections communicate with network modules at the same time.
- Flexible serial data framing setting. It fulfills all kinds of serial data frame requirement.
- UDP mode support dynamic destination address mode. It helps for multi-user manage one serial server.
- Real Com Driver mode support using the 9-th bit to facilitate communication with milt-device. (the 9-th bit being 0 means data frame and 1 means address frame).
- Support searching serial servers and modifying parameters through Internet remotely.
- Support parameter modifying protection, preventing modifying by accident. Support running with default parameters.
- Build-in 2 KV electrical plus protection in RJ45.
- High protection of electromagnetic interference, with its high electromagnetic interference protection SECC external shell.

Technical Parameters:

<ul style="list-style-type: none"> • Figure 	<ul style="list-style-type: none"> ➤ Interface: 485: Terminal; 232: RJ45(can equip RJ45 to DB9 cable); 422: Ethernet RJ45 ➤ Power Supply: 5.5mm, Inside positive outside negative, standard outlet; Terminal ➤ Size: L x W x H = 9.4cm x 6.5cm x 2.5cm
<ul style="list-style-type: none"> • Communicate Interface 	<ul style="list-style-type: none"> ➤ Ethernet: 2 10M/100M interfaces(can connect anyone) , 2KV surge protection ➤ Serial: RS232/485/422×2: RXD, TXD, GND, CTS, RTS
<ul style="list-style-type: none"> • Serial Parameters 	<ul style="list-style-type: none"> ➤ Parity: None, Even, Odd, Space, Mark ➤ Data bit: 5 ~ 9 ➤ Stop bit: 1,2 ➤ Flow control: RTS/CTS,DTR/DCR, XON/XOFF ➤ Baud rate: 1200bps ~ 460800bps
<ul style="list-style-type: none"> • Software 	<ul style="list-style-type: none"> ➤ Protocol: ETHERNET、IP、TCP、UDP、HTTP、ARP、ICMP、DHCP、DNS ➤ Setting method: ITTVirCom, WEB browser, device management library ➤ Net communication method: Socket, Virtual serial , device management library
<ul style="list-style-type: none"> • Power 	<ul style="list-style-type: none"> ➤ 9 ~ 24V DC, 2~4W
<ul style="list-style-type: none"> • Environment 	<ul style="list-style-type: none"> ➤ Running temperature: -40~85°C ➤ Storage temp: -45~165°C ➤ Humidity: 5~95%RH