



Features:

- High reliability design of anti-lightning and electromagnetic interference.
- Interface isolation: RS485 2500V power isolation, power supply 3000V isolation.
- It supports both transparent transmission and Modbus Gateway function.
- RS485 supports 256 slave stations.
- The shell has ground protection.
- Flagship product, stable and reliable.

◆ Description:

The ITT-SR808 is a high reliability and high performance serial device server and Modbus Gateway product designed by Ittelecom special for lightning resistance, anti-electromagnetic interference and resisting bad environment requirements, is the flagship product on serial device server. Can be applied to industrial application requiring anti-jamming, anti-tunnel monitoring, wind power, field geological disasters monitoring and so on.

ITT-SR808 has good interface isolation characteristic. The RS485/422 not only have $\pm 15V$ antistatic, but also have 2500V interface isolation, as adding 2500V AC voltage between RS485 wire and shell, the current leakage into ITT-SR808 is less than 5 mA.

The RS485 of ITT-SR808 can drive 256 load capacity, compared to the product driving 32 loads, it can achieve the ability of monitoring more equipment to save cost. ITT-SR808 has three interface types: RS232/485/422. The input voltage can provide DC Q2. 1 jack or terminal type, the input voltage is 18~36V (can be customized 12V). It can be equipped with guide installation accessories.

◆ Features:

- Interface insulation: the power can reach 3KV insulation voltage; RS485/422 can reach 2.5KV insulation voltage; $\pm 15KV$ ESD protection function; More than 25KV/US high common mode transient suppression.
- RS485/422 has the ability of 256 loads.
- Three interface types: RS232/485/422. RS422 needs customized internal jumpers, should be informed before buying.
- Support 18~24V power supply, interface are DC Q2. 1 jack and terminal wiring. Can be customized 12V power input.
- Having both functions: serial device server with transparent transmission and Modbus gateway. Under transparent transmission, support full duplex, high speed data forwarding, no packet loss; Modbus gateway use storage type, the speed is faster than general forwarding mode.
- Support TCP Server, TCP Client, UDP mode, UDP multicast.

- The baud rate support 1200~115200bps, the data bits support 5~9, check bits can be five types: None, Odd, Even, Mark, Space, support CTS/RTS hardware flow control. If need to support 460800bps, choose model ITT-SR808.
- Rich single light: power, wiring connection, TCP connection, data activity.
- Support multiple TCP connection, as a TCP Server, can be connected with 40 clients. As a TCP Client, can connect with 8 different destination IP and port at the same time.
- Real COM Driver support multicomputer communication though the 9th (address frame is 1, data frame is 0).
- Support remotely searching 5143I and configuring parameters through internet, can upgrading procedure and downloading configuration Webpage through Ethernet port.

◆ Technical Parameters:

<ul style="list-style-type: none"> • Isolation Characteristic 	<ul style="list-style-type: none"> ➤ Power Isolation: 3KV ➤ RS485/422 Isolation: 2.5KV ➤ HCMTI: 25KV/us ➤ RS485/422 ESD Protection: 15KV
<ul style="list-style-type: none"> • Communicate Interface 	<ul style="list-style-type: none"> ➤ Ethernet: 10M/100M, 2KV surge protection
<ul style="list-style-type: none"> • Serial Parameters 	<ul style="list-style-type: none"> ➤ Serial: RS-232/485/422 ➤ Parity bits: None, Even, Odd, Space, Mark ➤ Data bits: 5 ~ 9 ➤ stop bit: 1,2 ➤ Flow control: RTS/CTS,DTR/DCR, XON/XOFF ➤ Baud rate: 1200bps ~ 115200bps
<ul style="list-style-type: none"> • Software 	<ul style="list-style-type: none"> ➤ Protocol: TCP,HTTP,UDP,ICMP,ARP,IP,DNS,DHCP ➤ Net communication method: Socket, Virtual serial , device management library ➤ Setting method: ITTVirCom, WEB browser, device management library
<ul style="list-style-type: none"> • Power 	<ul style="list-style-type: none"> ➤ 18~36V DC, 400~600mW (can be customized 12V input)
<ul style="list-style-type: none"> • Size 	<ul style="list-style-type: none"> ➤ L x W x H =9.4cm×6.5cm×2.5cm
<ul style="list-style-type: none"> • Environment 	<ul style="list-style-type: none"> ➤ Running temperature: -45 ~ 85°C ➤ Storage temp: -45 ~ 165°C ➤ Humidity: 5 ~ 95% RH