



## Features:

- Can connect RS232/485 device to wifi
- Can be as AP or Station mode
- Support Modbus TCP to RTU, suitable for PLC wireless monitoring
- Through webpage and ITTVircom to configure parameters
- Support virtual serial port communication

## ◆ Description:

ITT-SC4780 is a high-performance WIFI serial device server launched after ITT-SC4779 by ittelecom. ITT-SC47780 not only has the function of RS232/RS485 to transfer WIFI TCP/IP, but also integrates Modbus TCP gateway function to facilitate the transformation of Modbus RTU protocol into Modbus TCP WIFI protocol. For users who use the virtual serial port, the virtual serial port can be realized using ITTVircom software. The original serial port PC software no need modification. The Modbus TCP protocol in configuration software can also be used to connect to the RTU device directly to realize the wifi network communication.

High performance industrial serial port to WIFI serial device server, support RS232/485 to WIFI. 9~24V power supply, support Modbus TCP to RTU. Support (IEEE802.11g/b/n) protocol. Support virtual serial port.



## ◆ Product features:

- It has all the advantages of ITT-SC47780, refer to ITT-SC47780. And have the following more advantages:
- Adaptive serial port parameters. When using virtual serial port, ITT-SC47780 can self-adjust the corresponding parameters according to serial port baud rate, check bit and other adaptive parameters opened by the PC serial port software. This enables ITT-SC47780 to be used in PLC applications with complex serial port protocols.
- Support for higher baud rates, including 230400 and 460800. Support for 9-bit data, 8-bit data communication with check mode.
- One-key search device. When wifi and PC or routers build links, the device IP and PC need not be in the same network segment through ITTVircom software one-click search and configuration parameters. Save the trouble of memory device IP. Improved the efficiency of configuration parameters.
- TCP Server mode supports virtual serial port. ITT-SC47780 supports virtual serial port only in TCP client mode. ITT-SC47780 supports virtual serial port in both TCP Server and Client mode.
- Sticky package optimization. ITT-SC47780 is suitable for industrial application with high quality of serial port, which can prevent two serial data frames from sticking together. The subcontract interval of ITT-SC47780 serial port date is more than 100ms, and ITT-SC47780 becomes 1ms~100ms. The resolution accuracy is greatly improved.
- Reset key to restore. Equipped with a Reset button, a button to restore WIFI to AP mode, which is convenient for those

forget IP in the Station mode.

- Wide voltage power supply: 9 ~ 24V power supply range.
- Power input mode can be selected: can choose industrial terminals power supply mode or ordinary power adapter plug mode power supply.
- The wifi antenna can be equipped with long lead wire for installation on the outer surface of the metal case

## ◆ Technical Parameters:

• <b>Communicate Interface</b>	<ul style="list-style-type: none"> <li>➤ Wifi802.11b/g/n</li> <li>➤ Serial:RS232/485×1: RXD, TXD, GND, CTS, RTS</li> </ul>
• <b>Figure</b>	<ul style="list-style-type: none"> <li>➤ Interface485: terminal; 232: DB9</li> <li>➤ SizeL x W x H=9.4cm×6.5cm×2.5cm</li> </ul>
• <b>Serial Parameters</b>	<ul style="list-style-type: none"> <li>➤ Baud rate1200~460800bps</li> <li>➤ Data bits5 ~ 9</li> <li>➤ Parity bits:None, Odd, Even, Mark, Space</li> <li>➤ Flow control:RTS/CTS, XON/XOFF, NONE</li> </ul>
• <b>Software</b>	<ul style="list-style-type: none"> <li>➤ Protocol: ETHERNET, IP, TCP, HTTP, ARP, ICMP, DHCP, DNS</li> <li>➤ Setting method: ITTVirCom, WEB browser</li> <li>➤ Net communication method: Socket, Virtual serial</li> <li>➤ Virtual serial port platform: Windows 98/2000/XP/WIN7/WIN8</li> </ul>
• <b>Work mode</b>	<ul style="list-style-type: none"> <li>➤ TCP server, TCP client, UDP</li> </ul>
• <b>Power</b>	<ul style="list-style-type: none"> <li>➤ 9 ~ 24V DC, 310 mA</li> </ul>
• <b>Environment</b>	<ul style="list-style-type: none"> <li>➤ Running temperature-40~85°C</li> <li>➤ Storage temp-45~165°C</li> <li>➤ Humidity5~95%RH</li> </ul>