

Features:

- Control through Modbus RTU, virtual serial port, TCP/UDP
- Support 4-way relay output, 4-channel digital input, support 2 analog input
- Configure parameters such as IP by web page or Windows configuration tool



Description:

ITT-SC4765 Remote I/O Controller is an intelligent device developed by ITTelecom of digital input output and analog quantity input based on Ethernet or RS485. The remote IO controller can conveniently connect to Ethernet and 485 bus to realize accessing TCP connection, RS485. ITT-SC4765 is the ideal choices for user realizing remote control and data acquisition.

ITT-SC4765: Based on Ethernet transmission, support Modbus TCP to Modbus RTU, support virtual serial port, can monitor 4 channels digital input, 2 channels analog quantity input and control 4 channels relay output at the same time. The remote IO control and data acquisition use Modbus TCP protocol or Modbus RTU protocol.



1) 4 Digital input:

Passive switch (dry node)

Active power level (wet node, low level voltage is 0~3V; high level voltage is 8~24V, measuring in 24V power)

2) 2 Analog quantity input: different input method corresponding to different sub-models.

Voltage signal input: 0~5V or 0~10V.

Current signal input: 4~20mA.

Resistant input: 0~10k or resistant type temperature/ humidity sensor and so on.

3) 4 digital output.

Relay output (5A@AC250V/DC 30V)

4) ITT-SC4765 is equipped freely with our Windows Virtual Serial & Device Management Tool ITTVirCom. It supports virtual serial and searching device or modifying parameters with ITTVircom.

5) 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-SC4765.

6) ITT-SC4765 support DHCP, solve IP management and IP conflict problem.

7) ITT-SC4765 support DNS, can realize communication through domain name.

8) ITT-SC4765 support 100 TCP connections communicate with network module.

9) ITT-SC4765 has high cost performance.

10) ITT-SC4765 2KV ESD Ethernet port protection.

Technical Parameters:

• Figure	➤ Size: L x W x H =12.2cm×7.2cm×3.4cm
• Serial Port	➤ RS485 port, 1200~115200bps(default 9600),8bits、 NONE parity、 1stop bit
• Relay Transmission Time(Response time)	➤ <30ms
• Software	➤ Upper Layer Protocol: Modbus RTU / Modbus TCP ➤ Physical protocol: Ethernet, RS485
• AI Input Format	➤ Current: 4~20mA,0~20mA ➤ Voltage: 0~5V, 0~10V ➤ Resister: 0~10K, temperature/humidity sensor
• Power Consumption	➤ <1.8W <75mA @24V
• Environment	➤ Operation temp.: -40~85°C ➤ Storage temp.: -45~165°C ➤ Humidity: 5~95% relative