

Features:

- Various models can support RS485, Ethernet, Wifi and P2P communication.
- Support 8-way relay output, 8-channel digital input, 4-channel voltage and 4-channel current acquisition.
- Wide voltage 9V ~ 24V input.



Description:

ITT-RC-8CH-1GE-WiFi is 8 channels remote IO controller launched by ITTelecom after ITT-RC-8CH-1GE-WiFi. The controlled channels from 4 channels of 6042 extending to 8 channels, including 8 channels Digital Input(DI), Digital Output(DO), Analog Quantity Input(AI). The DI support dry contact and wet contact with opto-isolator; DO is relay output with 5A 250VAC or 5A 30VDC control ability; the before 4 channels of AI input support 0~5V voltage quantity input, the after 4 channels support 4~20mA current input, the accuracy is 10 bits. ITT-RC-8CH-1GE-WiFi support 3 communication methods of Ethernet, RS485, Wifi.

ITT-RC-8CH-1GE-WiFi: Compared with 6842, 6844 adds WiFi interface, it can save the wiring trouble. Meanwhile it has Ethernet interface. WiFi can be neither as AP nor as SAT style to connect router.



- 1) 8 channels digital quantity input:
Support passive switch value (dry contact) and active level (wet contact).
- 2) 8 channels digital quantity output:
The output type is relay output (5A@AC250V/DC30V).
- 3) 8 channels analog quantity input: in default the first 4 channels are 0~5V voltage input, the after 4 channels are 4~20mA. If need customized, can modify any channels to the below 4 types:
 - (1)Current signal input: 4~20mA
 - (2)Voltage signal input: 0~5V
 - (3)Voltage signal input: 0~10V
 - (4)Resistance impedance input: 0~10k or resistor-type temperature humidity sensor, etc.
- 4) 8 channels switch value input state and 8 channels switch value output state both have independent indicator, can immediately know switch input/output state through indicator.
- 5) Provide demo software Remote IO controlled by RS485 or TCP/IP, can demonstrate IO control and AI data acquisition for devices.
- 6) Can provide complete RS485 control instructions and Modbus TCP commands, convenient for integrated development of engineer.

7) ITT-RC-8CH-1GE-WiFi is freely equipped Windows virtual port & device management tool ITTVircom, support ITTVircom, can one-key search and modify parameters.

Technical Parameters:

• Figure	➤ Size: L x W x H =9.2cm×19.7cm×2.5cm
• Serial Port	➤ RS485 Interface, 1200~115200 (default 9600bps), 8 bits data bit, None parity, 1 stop bit
• Relay Transmission Time(Response time)	➤ <30ms
• Software	➤ Upper Layer Protocol: MODBUS TCP/ MODBUS RTU ➤ Physical protocol: Ethernet, WIFI , RS485
• AI Input Format	➤ Current: 4~20mA, 0~20mA ➤ Voltage: 0~5V, 0~10V ➤ Resister: 0~10K, temperature/humidity sensor
• Power Consumption	➤ <220mA @24V
• Environment	➤ Operation temp.: -40~85°C ➤ Storage temp.: -45~165°C ➤ Humidity: 5~95% relative