

Product Overview

Modbus Serial/TCP series gateway can achieve the interconnection between Ethernet (Modbus TCP protocol) devices and serial (Modbus RTU/ASCII) devices. The Modbus Serial/TCP series gateway supports dual Ethernet ports, built-in switch. The serial side supports single/dual. Each port supports both RS485 and RS232.

Features and Benefits

- Operating mode:

Modbus RTU/ASCII server mode:

Modbus TCP clients communicate with Modbus RTU/ASCII servers through the gateway.

Modbus RTU/ASCII client mode:

Modbus RTU/ASCII clients communicate with Modbus TCP servers through the gateway.

- Dual Ethernet interface: built-in switch, support cascade, can be used in a ring network, save field connection cables and switches.

- Ethernet 10/100M self-adaptive.

- Debugging function.

- Provide easy to use configuration software SST-MT-CFG.

Typical Use Case

1. Multiple Modbus TCP client stations connect multiple serial server stations



2. Multiple serial port master stations connect multiple Modbus TCP server stations



3. The serial port server station connects the serial port server station through Ethernet





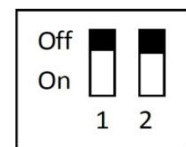
Notes:

The picture above shows the appearance of GT200-MT-2RS.
 GT200-MT-RS, one serial port: Serial I.
 GT200-MT-2RS , two serial ports : Serial I and serial II.

Technical Specifications

- [1] server mode: Support 8/6 Modbus TCP client communication simultaneously, and can support 32 command request simultaneously.
- [2] client mode: Support visiting 4 different IPs or Modbus TCP servers of different ports.
- [3] Every serial interface is all RS485 or RS232, half-duplex, and baud rate support: 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 and 230400bps optional. Parity: none, odd and even optional. Stop bits: 1 or 2.
- [4] Power supply: 24VDC (9~30VDC), 110mA (24VDC).
- [5] Working temperature: -40°F~185°F(-40°C~85°C). Humidity: 5% ~ 95% (non-condensing).
- [6] External Dimensions (W*H*D): 1.0in*4.0 in*3.6in (25mm*100 mm*90 mm).
- [7] Installation: 1.4 in (35 mm) DIN RAI.
- [8] Protection class: IP20.

DIP switch



The DIP switch is located at the bottom of the gateway, bit 1 is mode bit and bit 2 is function bit.

Mode (bit 1)	Function (bit 2)	Description
Off	Off	Run mode, allowing reading and writing of configuration data.
Off	On	Configuration mode, IP address is 192.168.0.10 (fixed), this mode can read and write configuration data but cannot finish communication between Modbus TCP and Modbus RTU devices.
On	Off	Run mode, forbidding reading and writing of configuration data (configuration data protection switch)
On	On	Firmware update mode, IP address is 192.168.0.10, this mode can only update firmware.