GT200-MT-RS/2RS

Modbus / Modbus TCP Gateway

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 slave mode:

Modbus TCP masters communicate with Modbus RTU/ASCII slaves through the gateway.

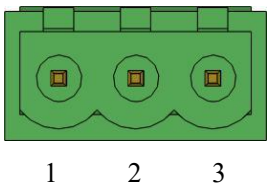
Modbus RTU/ASCII master mode:

Modbus RTU/ASCII masters communicate with Modbus TCP slaves 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.

Power Interface

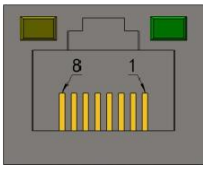
Power interface is shown as below:



Pin	Function
1	GND
2	NC,not connected
3	24V+, DC

Ethernet Interface

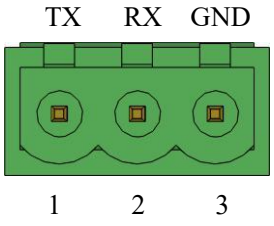
Ethernet interface uses RJ-45 connector. Its pin (standard Ethernet signal) is defined as below:



Pin	Description
1	TX+
2	TX-
3	RX+
6	RX-
4,5,7,8	Termination

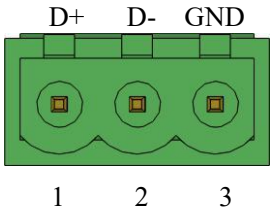
Serial Interface

Pin of RS232 interface is defined as below:



Pin	Signal Description
1	TX, connect with RX of user device
2	RX, connect with TX of user device
3	GND

Pin of RS485 interface is defined as below:



Pin	Signal Description
1	D+, RS485
2	D-, RS485
3	GND

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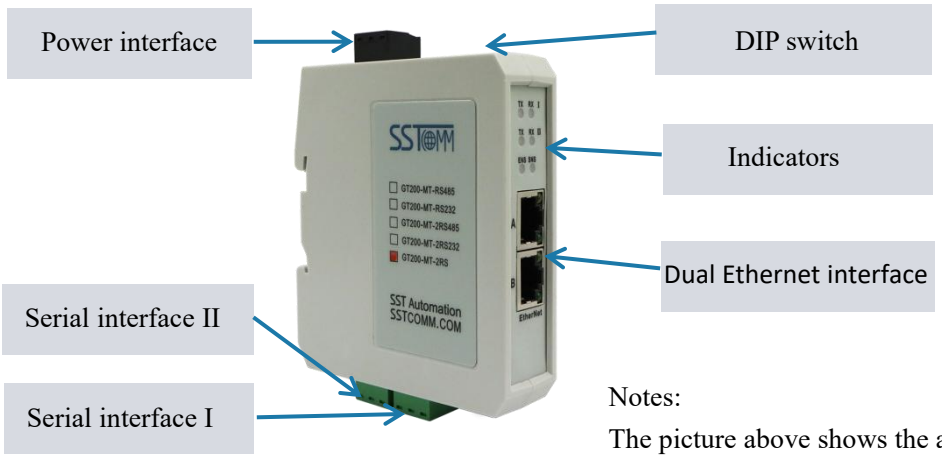
Tel: 909-977-2988 (US & Canada) +1-626-899-6290 (International)

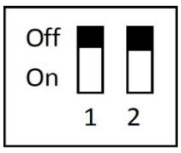


Notes:
The picture above shows the appearance of GT200-MT-2RS.
GT200-MT-RS, one serial port: Serial I.
GT200-MT-2RS , two serial ports : Serial I and serial II.

Technical Specifications

[1] Slave mode: Support 8/6 Modbus TCP master communication simultaneously, and can support 32 command request simultaneously.
[2] Master mode: Support visiting 4 different IPs or Modbus TCP slaves 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.

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