

Introduction

SST Automation's Modbus Serial / Modbus TCP series gateways provide seamless connectivity between Modbus TCP Ethernet and Modbus Serial (RTU/ASCII). These gateways feature dual Ethernet ports with a built-in switch, and different serial interface options depending on the model. Available options include single or dual serial interfaces, with each port supporting RS485 and/or RS232.

Features and Benefits

- Multiple Operating Modes:
 - Modbus RTU/ASCII Slave Mode:
Connects Modbus TCP Masters to Modbus RTU/ASCII Slaves.
 - Modbus RTU/ASCII Master Mode:
Connects Modbus RTU/ASCII Masters to Modbus TCP Slaves.
- Dual Ethernet Ports:
The built-in switch supports cascading and ring networks, reducing the need for extra cables and switches.
- Debugging Functionality.
- Easy to use configuration software SST-MT-CFG.



Product Models

GT200-MT-RS485	1x RS485 Port
GT200-MT-2RS485	2x RS485 Ports
GT200-MT-2RS	1x RS485 Port 1x RS232 Port

Typical Use Cases

1. Connect multiple Modbus TCP Clients to multiple Modbus Serial Slave devices



2. Connect multiple Modbus Serial Masters to multiple Modbus TCP Server (Slave) devices



3. Connect Modbus Serial Masters to Modbus Serial Slave devices via Ethernet



Technical Specifications

Modbus Features	
Operation Mode	Modbus RTU Master, Modbus RTU Server, Modbus ASCII Master, & Modbus ASCII Server
Serial Ports	GT200-MT-RS485: (1) RS485 GT200-MT-2RS485: (2) RS485 GT200-MT-2RS: (1) RS485 and (1) RS232
Baudrate	1200 bps, 2400 bps, 4800 bps, 9600 bps, 19.2 kbps, 38.4 kbps, 57.6 kbps, 115.2 kbps, 230.4 kbps
Maximum Number of Modbus TCP Client (Master) Devices	Single Port V1.X: Up to 8 Modbus TCP Clients Dual Port V1.X: Up to 6 Modbus TCP Clients Single Port V2.X: Up to 12 Modbus TCP Clients Dual Port V2.X: Up to 8 Modbus TCP Clients Single Port V3.X: Up to 16 Modbus TCP Clients Dual Port V3.X: Up to 12 Modbus TCP Clients
Maximum Modbus TCP Server (Slave) Devices	Up to 4 Modbus TCP Server (Slave) devices
Maximum Number of Simultaneous Commands	Up to 32 simultaneous commands
Electrical / Environmental	
DC Input Voltage	24 VDC (9–30VDC), 110mA (24VDC)
Operating Temperature	-40°F–185°F (-40°C–85°C). Humidity: 5%–95% (non-condensing)
Physical	
Dimensions (W x H x D)	1.0in * 4.0in * 3.6in 25mm * 100mm * 90mm
Mounting	35mm DIN Rail
Ethernet Port	(2) RJ45 Connectors
Serial Port	Single Port: (1) 3-Pin Terminal Block Dual Port: (2) 3-Pin Terminal Blocks
Power Interface	(1) 3-Pin Terminal Block

Dimensions

Unit: mm (inch)

