

Industrial Ethernet Serial Gateway (Modbus RTU/ASCII to Modbus TCP)

Modbus Serial/TCP Series

Quick Start Guide

V1.4



Contact Information

sales@sstcomm.com

support@sstcomm.com

844-606-2886
(US & Canada)

+1-909-977-2988
(International)

© 2021 SST Automation. All rights reserved.

Overview

The Modbus Serial/TCP Series gateway is able to achieve the interconnection between Modbus TCP and Modbus RTU/ASCII networks.

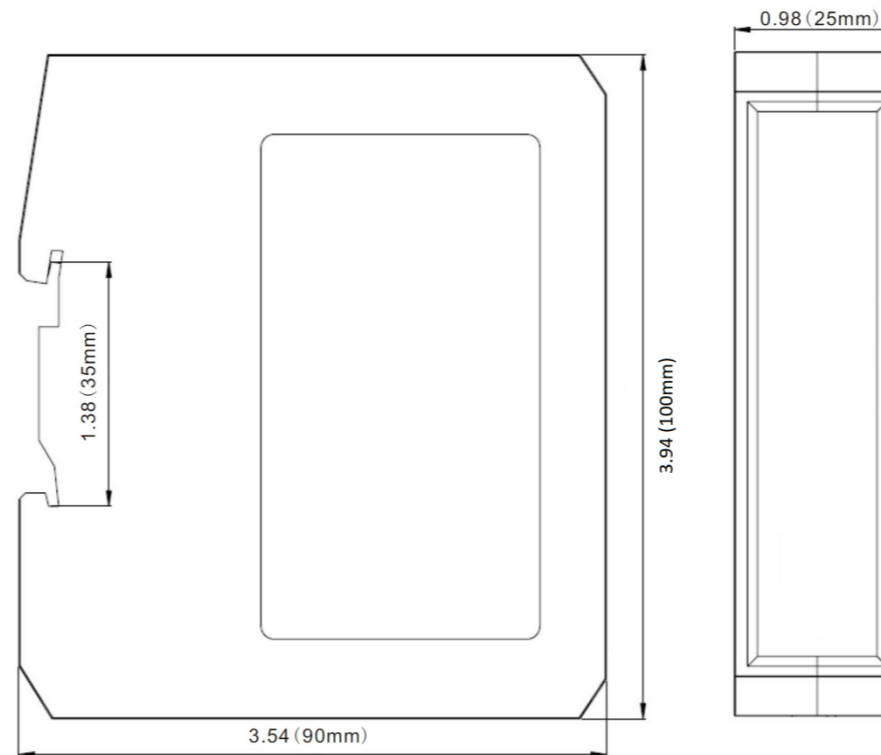
Package Checklist

- A Modbus Serial/TCP Series gateway
- RJ45 Ethernet Cable

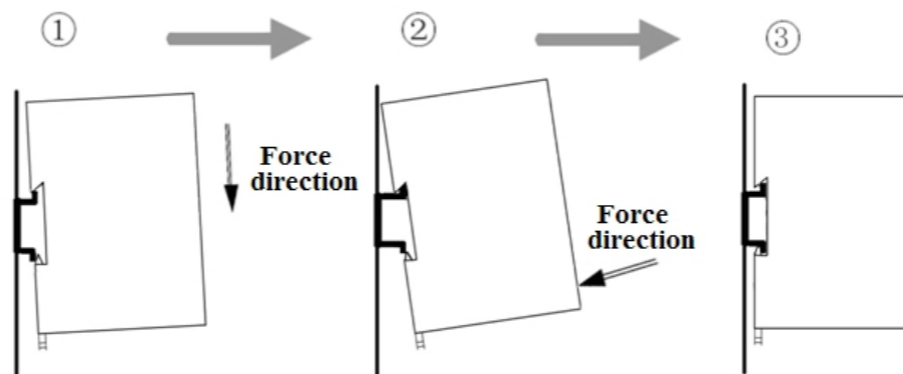
Dimensions

Size (W*H*D):

0.98 in * 3.94 in * 3.54 in / 25mm*100mm*90mm



Install the gateway on 1.38 in (35 mm) DIN Rail.



Specifications

Power Input	24 VDC (11~30 VDC)
Operation Temperature	-20°C~60°C (-4°F~140°F).
Humidity	Humidity: 5%~95% (non-condensing).

Software Information

Please download the configuration software SST-MT-CFG from SST website: www.sstcomm.com

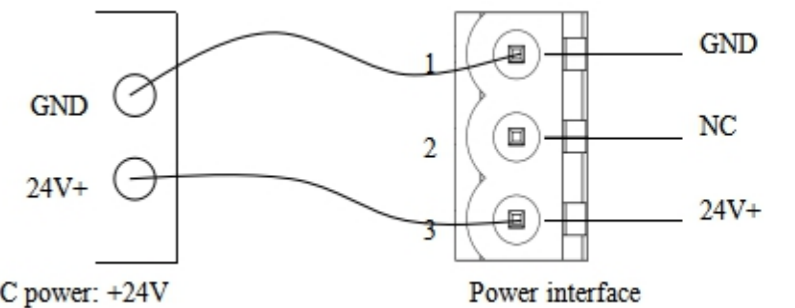
Please refer to the user manual, software contents and technical notes for more details.



Quick Installation Guide

Take the GT200-MT-2RS485 for example.

1. Connect the power supply as follows.
Please do not power on the devices before finishing and confirming all the connections.



2. Connect the serial devices in the RS-485/232 interface.
3. Connect the Modbus TCP clients/servers via Ethernet cable.
4. Connect the GT200-MT-2RS485 with the computer via Ethernet cable.
5. Dial the Configuration Switch both Bit 1 and Bit 2 to Off.
6. Power on the GT200-MT-2RS485 and other necessary devices.
7. Configure the GT200-MT-2RS485 with SST-MT-CFG software.

Default IP address: 192.168.0.10

Product Appearance



- * GT200-MT-RS series has one serial interface.
- * GT200-MT-2RS series has two serial interfaces.

- ① Power Interface
- ② DIP Switch
- ③ Indicators
- ④ Configuration Switch
- ⑤ Serial Interface I
- ⑥ Serial Interface II

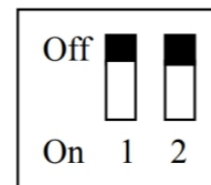
Indicators

LED	Status	Descriptions	
I	RX	Blinking (Green)	Serial port I is receiving data
	TX	Blinking (Green)	Serial port I is transmitting data
II	RX	Blinking (Green)	Serial port II is receiving data
	TX	Blinking (Green)	Serial port II is transmitting data

* Only the GT200-MT-2RS series have RX and TX of II LEDs.

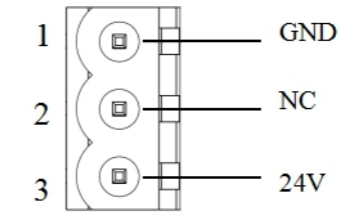
LED	Status	Descriptions
ENS	Green	Modbus TCP connection has been established
	Blinking (Green)	Modbus TCP connection has not been established
	Blinking quickly (Red)	Modbus TCP connection is disconnected
	Blinking slowly (Red)	Modbus TCP connection is disconnected
SNS	Green	Transmit and receive data
	Blinking (Red)	Automatic routing conflict
	Red	Equipment failure or firmware update failed
ENS & SNS (Orange)	Simultaneously on	Initializing
	Blinking alternately quickly	Configuration mode
	Blinking alternately slowly	Using locate function
	ENS on, SNS off	Firmware update mode

Configuration Switch



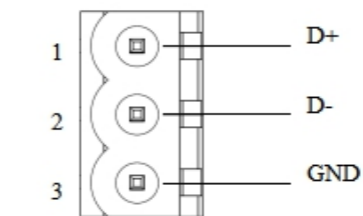
Mode (Bit 1)	Function (Bit 2)	Description
Off	Off	Run mode, allowing reading and writing of configuration data
Off	On	Run mode, forbidding reading or writing of configuration data
On	Off	Configuration mode, allowing reading and writing configuration data in fixed IP address 192.168.0.10
On	On	Firmware update mode

Power Interface



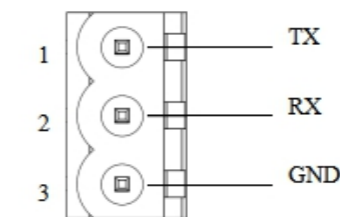
Pin	Signal
1	Power ground
2	Not connected
3	24V+, DC

RS-485 Interface



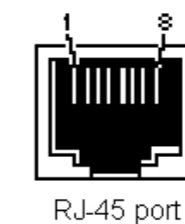
Pin	Signal
1	D+, RS485
2	D-, RS485
3	GND

RS-232 Interface



Pin	Signal
1	TX, connected to RX of user's device
2	RX, connected to TX of user's device
3	GND

Ethernet Interface



Pin	Signal
S1	TXD+
S2	TXD-
S3	RXD+
S6	RXD-
Others	NC