

Introduction

GT200-HT-MT gateway is designed to exchange data between HART and Modbus TCP. HART interface can be configured as a primary master or the secondary master. Modbus TCP side acts as a server.

Features and Benefits

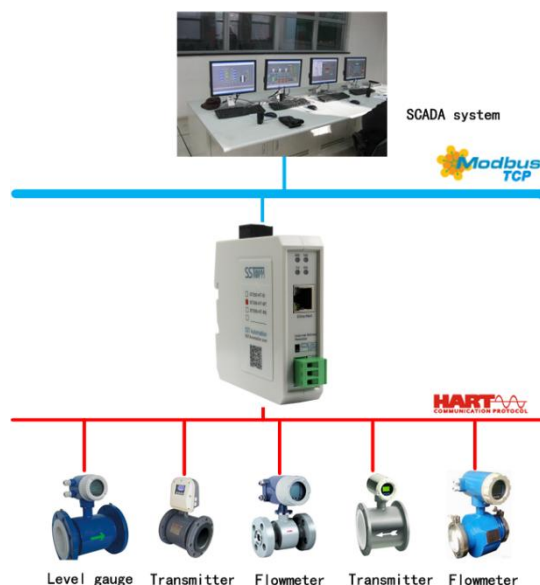
- Easy to Use: Users can refer to the product manual to quickly configure a data connection that meets their needs.
- Rich debugging functions, command segmentation mapping function, visual display of data exchange, HART slave's command diagnosis function facilitates user's communication test.
- HART interface can be used as a primary master or a secondary master.
- HART interface supports single-point and multi-drop mode.
- Easy-to-use configuration software SST-HI-CFG.



Interfaces

Black Terminal	Power Supply	24V DC
Ethernet RJ45*1	Modbus TCP Interface	10/100M
DIP Switch	Configure Status of GT200-HT-MT	Run, Configure, Update
Indicators	TX, RX, MS, NS	Green, Red
Internal Sampling resistor Switch	ON/OFF	270 Ω

Typical Application



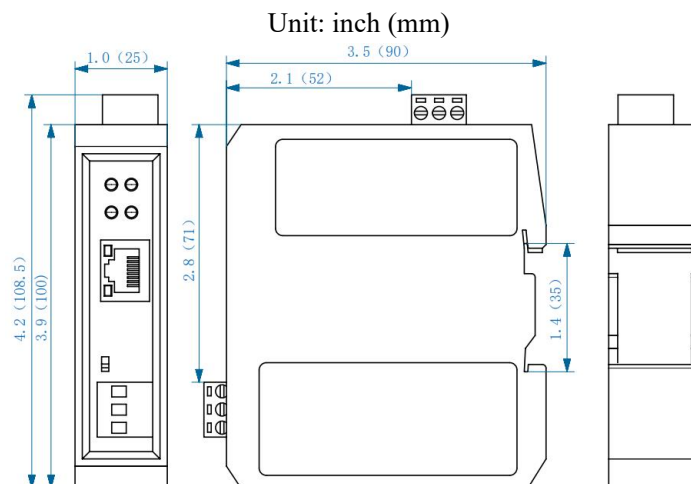
GT200-HT-MT gateway can connect HART devices to Modbus TCP network. GT200-HT-MT gateway is a bridge in the communication network and implements the conversation between HART and Modbus TCP.

- Modbus TCP Client: Schneider PLC, SCADA
- HART Devices: HART instruments

Technical Specifications

Modbus TCP Features	
Operation Mode	Modbus TCP Server
Supporting Function Codes	03H, 04H, 06H, 10H
Maximum Modbus TCP Client Devices	4
Maximum Number of Commands	512
HART Features	
Operation Mode	A Primary Master or the Secondary Master.
Protocol Supported	Supports all commands of the HART protocol.
Maximum Number of HART Commands	Supports up to 100 HART commands. Max output data: 1000 bytes; Max input data: 1600 bytes.
Maximum Number of HART Devices Supported	Multi-drop mode supports 13 HART instruments with gateway internal resistor and supports up to 15 instruments with an external resistor (250 Ω /2W)
Electrical / Environmental	
DC Input Voltage	24 VDC (9 to 30 VDC)
Operating Temperature	-40°F to 140°F (-20°C to 60°C) Humidity 5% to 95%
Certification	CE Compliant
Physical	
Dimensions (W x H x D)	1.0 x 3.9 x 3.5 in 25 x 100 x 90 mm
Mounting	DIN Rail
Ethernet Port	(1) 10/100 Base-T, RJ45 Connector
Power Interface	(1) 3-Pin Terminal Block

Dimensions



Product Recommendations

Module Name	Interface 1	Network Interface 1
GT200-HT-RS	HART	Modbus RS485
GT200-HT-EI	HART	EtherNet/IP
GT200-HT-DP	HART	PROFIBUS DP