

Introduction

The GT200-3HT-MT gateway is designed to exchange data between multi-channel HART and Modbus TCP networks. The HART interface can be configured as a primary or a secondary master. The 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.
- 3 independent transformer-isolated HART channels.
- Rich debugging functions, command segmentation mapping function, visual display of data exchange, HART slave's command diagnosis function to facilitate user's communication test.
- HART interface can be used as a primary master or a secondary master.
- HART interface supports point-to-point and multi-drop modes.
- Easy-to-use configuration software SST-HE-CFG.



Interfaces

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

Typical Application



The GT200-3HT-MT gateway can connect HART devices to a Modbus TCP network. The GT200-3HT-MT gateway acts as a bridge in the communication network, enabling data exchange between HART and Modbus TCP.

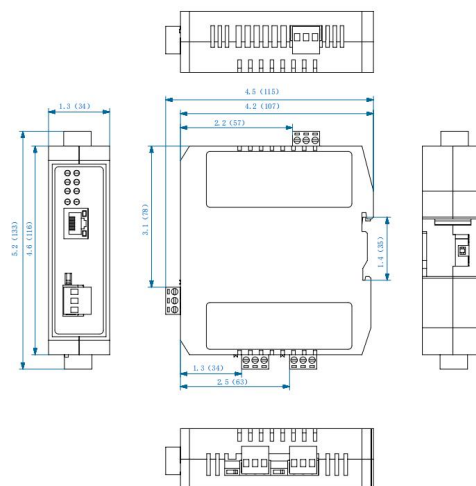
- Modbus TCP Client: Schneider PLC, SCADA
- HART Devices: HART instruments

Technical Specifications

Modbus TCP Features	
Operation Mode	Modbus TCP Server
Supported Function Codes	03H, 04H, 06H, 10H
Maximum Modbus TCP Client Devices	36
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	Each channel of HART supports up to 100.
Maximum Number of HART Devices Supported	Supports 3 independent HART channels, each channel supports up to 13 instruments using the internal resistor, or up to 15 instruments using an external resistor (250Ω/2W)
Electrical / Environmental	
DC Input Voltage	24 VDC (9 to 30 VDC)
Operating Temperature	-40°F to 158°F (-40°C to 70°C) Humidity 5% to 95%
Certification	CE Compliant
Physical	
Dimensions (W x H x D)	1.33 x 4.56 x 4.21 in 34 x 116 x 107 mm
Mounting	DIN Rail
Ethernet Port	(1) 10/100 Base-T, RJ45 Connector
Power Interface	(1) 3-Pin Terminal Block

Dimensions

Unit: inch (mm)



Product Recommendations

Module Name	Interface 1	Network Interface 1
GT200-HT-MT	HART	Modbus TCP
GT200-HT-RS	HART	Modbus RS485