

HART / EtherNet Gateway

Introduction

GT200-HT-EI is a gateway that can provide a seamless connection between HART and EtherNet/IP or Modbus TCP Ethernet protocol. It can connect HART devices to an EtherNet/IP network or Modbus TCP network. The HART side can be configured as a primary or secondary master, and the EtherNet/IP or Modbus TCP side works as a server.

Features and Benefits

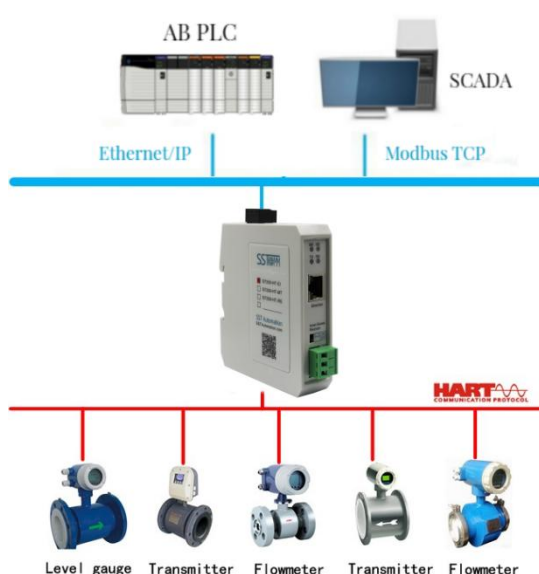
- Easy to Use: Users can refer to the product manual to quickly configure a data connection that meets their needs.
- Rich debugging functions, command segmentation mapping function, visual display of data exchange, HART command diagnosis function facilitates user's communication test.
- HART interface supports single-point and multi-drop mode.
- The Ethernet side supports EtherNet/IP or Modbus TCP.
- Easy-to-use configuration software SST-HI-CFG.



Interfaces

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

Typical Application



GT200-HT-EI gateway can connect HART devices to EtherNet/IP network or Modbus TCP network and realize bi-directional data exchange easily.

- EtherNet/IP Scanner: AB, Omron and Schneider PLC, etc.
- Modbus TCP Client: Schneider PLC, SCADA
- HART Devices: HART instruments

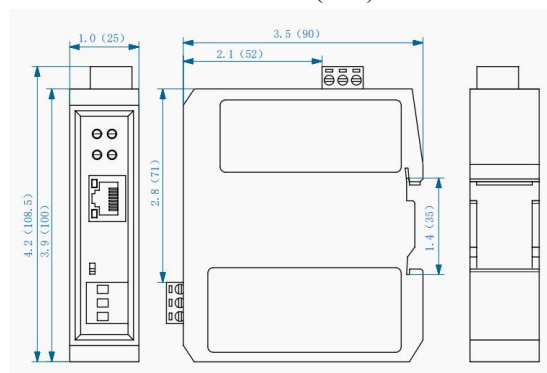
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Technical Specifications

EtherNet Features	
Operation Mode	EtherNet/IP Adapter or Modbus TCP Server
Max input and output bytes of EtherNet/IP	256 bytes
Max input and output bytes of EtherNet/IP	input byte count of 1600 bytes output byte count of 1000 bytes.
Modbus TCP Side Supports Function Codes	03H, 04H, 06H, 10H
Maximum Modbus TCP Client	4
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 127.
Maximum Number of HART Devices Supported	Supports connecting at most 13 instruments with gateway internal resistor and supports connecting 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 (-40°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

Unit: inch (mm)



Product Recommendations

Module Name	Interface 1	Network Interface 1
GT200-HT-MT	HART	Modbus TCP
GT200-HT-RS	HART	Modbus RTU/ASCII
GT200-HT-DP	HART	PROFIBUS DP