



## GT200-4HT-PN

HART / PROFINET Gateway

### Introduction

GT200-4HT-PN gateway enables seamless connectivity between HART and PROFINET network. It can connect HART devices in up to 4 independent channels into the PROFINET network and establish a reliable communication channel between them. It also support PROFINET MRP redundancy functions to establish reliable connections

### Features

#### Available with Multiple Channels

Available in a single channel or four channel configuration supporting up to 63 HART devices. Compatible with all Universal Commands for all HART 5, 6, and 7 devices.



#### Ease of Use

Users can refer to the product manual to quickly configure a data connection that meets their needs. Configuration is achieved by importing GSDML files in Siemens configuration software.



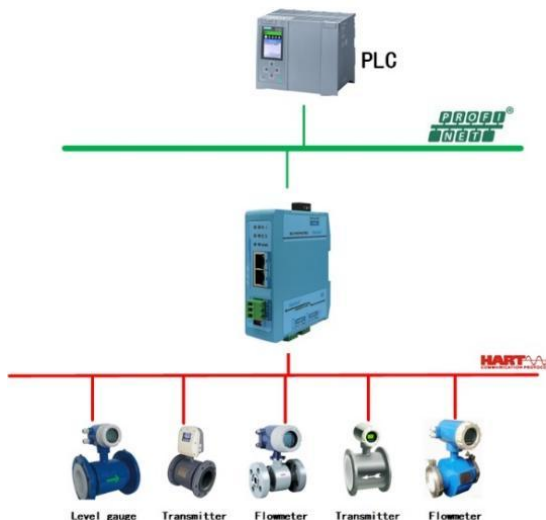
#### Strong EMI Resistance

Uses an isolated power supply to handle various complex industrial environments, improving resistance to electromagnetic interference to ensure reliability.



#### Wide Range of Applications

Four HART interfaces serve as HART masters. Up to 63 HART devices can be connected via PROFINET in total. Supports fast scanning of slaves on any channel.



### Typical Application

The GT200-4HT-PN gateway connects up to four independent channels of HART devices to a PROFINET network. Serving as a communication bridge, it seamlessly converts between HART and PROFINET protocols.

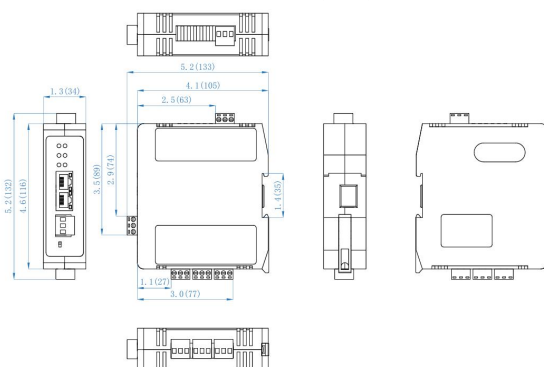
- PROFINET Controllers supported: Siemens S7-1200, Siemens S7-1500 PLCs, and other PROFINET IO compatible controllers.
- HART devices supported: all HART 5, 6 and 7 devices, including multivariable flowmeters, level gauge, and field transmitters.

## Technical Specifications

| PROFINET Features              |                                                                              |
|--------------------------------|------------------------------------------------------------------------------|
| Operation Mode                 | PROFINET RT and IRT Device                                                   |
| Redundancy                     | Supports MRP ring redundancy                                                 |
| Maximum Slots                  | A maximum of 32 slots                                                        |
| Protocols                      | Support for standard PROFINET RT protocols                                   |
| Maximum Input and Output Bytes | 1440 bytes in/out                                                            |
| HART Features                  |                                                                              |
| Operation Mode                 | HART Master                                                                  |
| Maximum Command                | 127                                                                          |
| Maximum Device                 | 63 (A total of 63 devices supported across four channels.)                   |
| Supported Command              | Compatible with all Universal HART Commands for HART 7 and earlier versions. |
| Electrical / Environmental     |                                                                              |
| DC Input Voltage               | 24 VDC (9V-30V), 250mA (24VDC). Power interface isolation: 1.5KV.            |
| Operating Temperature          | -40°F to 158°F (-40°C to 70°C);<br>Humidity 5% to 95%                        |
| Certification                  | CE Compliant                                                                 |
| Physical                       |                                                                              |
| Dimensions (W x H x D)         | 1.3in x 4.6in x 4.1in (34mm x 116mm x 105mm)                                 |
| Mounting                       | 35mm (1.4in) DIN Rail                                                        |
| Ethernet Port                  | 10/100 Base-T, RJ45 Connector                                                |
| HART Port                      | 3-Pin Terminal Block                                                         |
| Power Interface                | 3-Pin Terminal Block                                                         |

## Dimensions

Unit: Inch (mm)



## Product Recommendations

| Model Name  | Network Interface 1 | Network Interface 2 |
|-------------|---------------------|---------------------|
| GT200-PN-RS | PROFINET            | Modbus RTU/ASCII    |
| GT200-HT-EI | HART                | EtherNet/IP         |