



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.

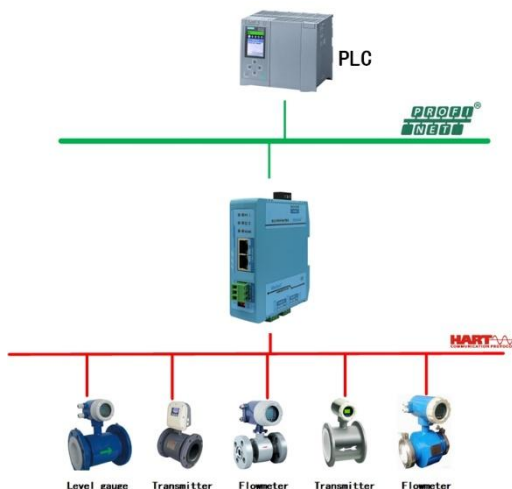


Wide Range of Applications

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.

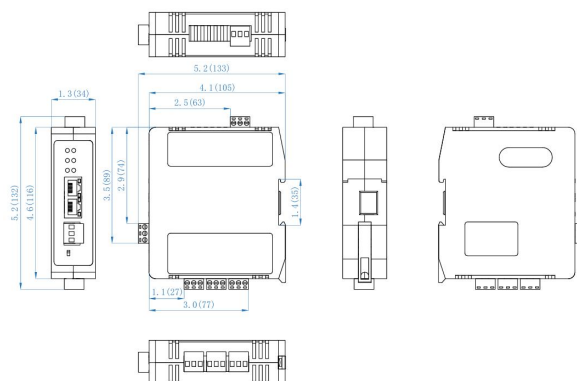
- PROFINET Controllers supported: Siemens S7-1200, Siemens S7-1500 PLCs, and other PROFINET IO compatible controllers.
- HART devices supported: all HART 5, 6 and 7 devices, including multivariable flowmeters, level gauge, and field transmitters.

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); 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