

Introduction

GT200-DP-RS is a gateway that can provide a seamless connection between serial (Modbus RTU/ASCII and generic) devices and a PROFIBUS DP master such as a Siemens PLC. The serial side supports RS-485, RS-232, and RS-422 serial interfaces. The gateway also supports data/status monitoring and debugging.

Features and Benefits

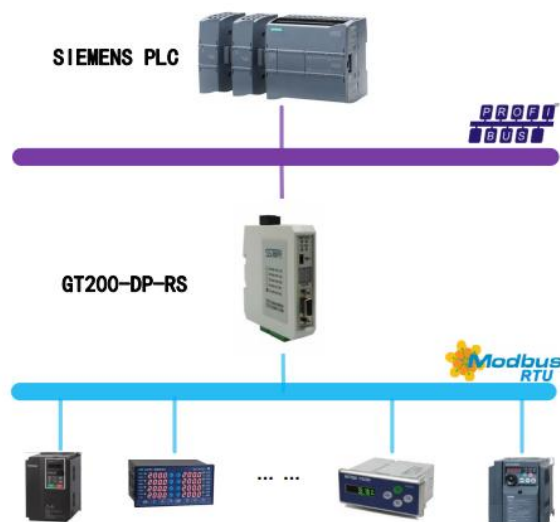
- Easy to Use: Users can refer to the product manual to quickly configure a data connection that meets their needs.
- Wide Applications: Any device with a RS-485/RS-232/RS-422 interface can be connected to a PROFIBUS DP network through the GT200-DP-RS gateway.
- Transparent Data Transmission: Users can directly forward raw data between PROFIBUS DP and Modbus/serial to establish a transparent data communication..
- Easy-to-use configuration software SST-MPG-CFG.



Interfaces

Black Terminal	Power Supply	24V DC
USB Interface	Configure and Debug Interface	Mini B Type USB
DIP Switch	Configure Status of GT200-DP-RS	Run, Config, Debug
Indicators	PBF, STA, TX, RX	Green, Red
Display	PROFIBUS DP Slave Address	0-99

Typical Application



GT200-DP-RS gateway can connect serial devices to PROFIBUS DP fieldbus. GT200-DP-RS gateway is a bridge in the communication network and implements the conversation between serial (Modbus RTU/ASCII and generic) devices and a PROFIBUS DP master.

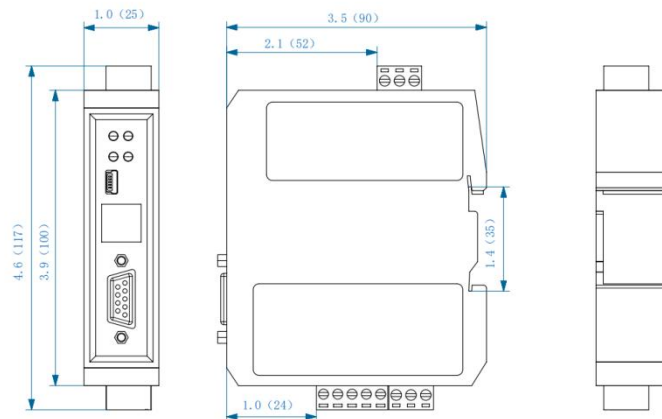
- PROFIBUS DP Master: DCS, Siemens PLC
- Modbus Server: Temperature Instrument, Smart meters, Transducer

Technical Specifications

Modbus RTU/ASCII Features	
Operation Mode	Modbus Master, Modbus Server
Supporting Function Codes	01H, 02H, 03H, 04H, 05H, 06H, 0FH, 10H
Interface	RS485, RS232, RS422
Maximum Number of Modbus Commands	100
PROFIBUS DP	
Operation Mode	Profibus DP Slave,波特率自适应, 最大12M
Maximum PROFIBUS input /output	Max Input Bytes ≤ 244Bytes , Max Output Bytes ≤ 244Bytes
Electrical / Environmental	
DC Input Voltage	24 VDC (11 to 30 VDC), 80mA (24V DC)
Operating Temperature	-4°F to 140°F (-20°C to 60°C) Humidity 5% to 95% (non-condensing)
Certification	In accordance with EMC test standard
Physical	
Dimensions (W x H x D)	1.0x 3.9 x 3.5 in 25 x 100 x 90 mm
Mounting	DIN Rail
PROFIBUS DP	Interface DB9 female-connector
Power Interface	3-Pin Terminal Block

Dimensions

Unit: inch (mm)



Product Recommendations

Module Name	Interface 1	Network Interface 1
GT200-DP-MT	PROFIBUS DP	Modbus TCP
GT200-DP-EI	PROFIBUS DP	EtherNet/IP
GT100-EI-RS	Modbus	EtherNet/IP