



GT200-PN-MT

Modbus TCP/EtherNet/IP / PROFINET Gateway

Introduction

The GT200-PN-MT gateway enables seamless connectivity between Modbus TCP and PROFINET network. It can connect multiple Modbus TCP Client/Server devices to EtherNet/IP master or PROFINET network and establishes a reliable communication channel between them. It also supports PROFINET MRP redundancy function to establish reliable connections.

High Real-Time performance

The communication cycle time between the gateway's two protocols is 10ms, which can quickly enable data exchange and ensures real-time performance and high efficiency.



Strong EMI Resistance

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



Ease of Use

No software installation is required, one-stop configuration is achieved by importing GSDML files in Siemens configuration software.



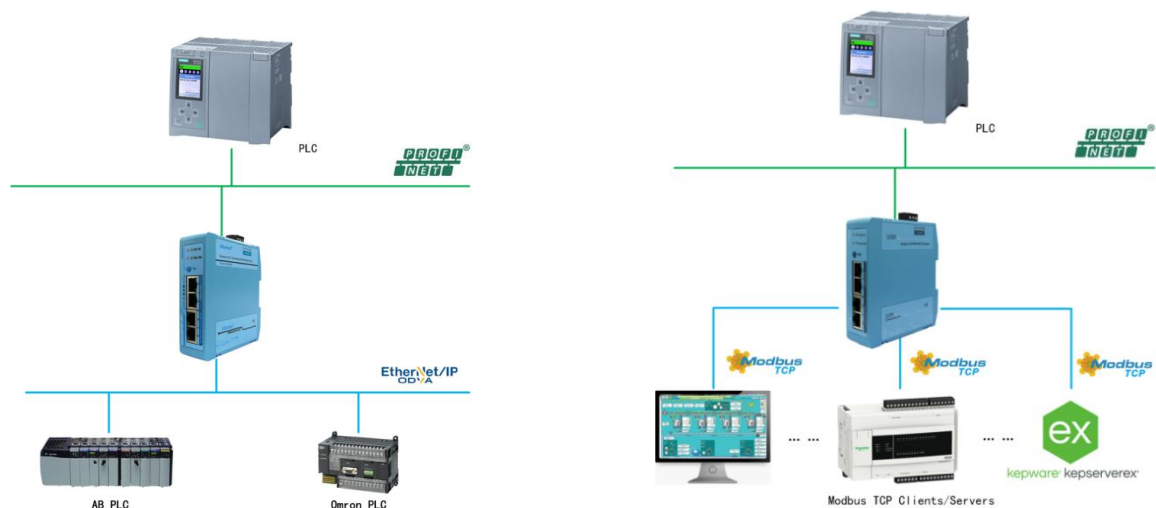
Wide Range of Applications

Two Ethernet interface, functions as Modbus TCP client/server or EtherNet/IP adapter. Up to 72 Modbus TCP devices can be connected to PROFINET.



Typical Application

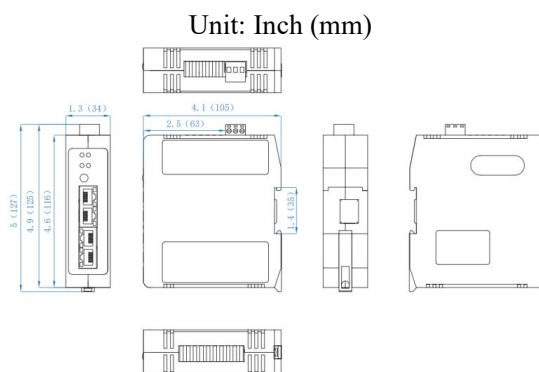
The GT200-PN-MT gateway can connect EtherNet/IP master or Modbus TCP devices to a PROFINET network.



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
Real-Time Capability	<10ms
EtherNet/IP Features	
Operation Mode	EtherNet/IP Adapter
Maximum Input and Output Bytes	1428 bytes in/out
Modbus TCP Features	
Operation Mode	Modbus TCP Client, Modbus TCP Server
Maximum Modbus TCP Client/Server Devices	72
Supported Function Code	01H, 02H, 03H, 04H, 05H, 06H, 0FH, 10H, 17H
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
Power Interface	3-Pin Terminal Block

Dimensions



Product Recommendations

Model Name	Network Interface 1	Network Interface 2
GT200-PN-RS	PROFINET	Modbus RTU/ASCII
GT200-DP-MT	PROFIBUS	Modbus TCP