



GT200-PN-EC

EtherCAT / PROFINET Gateway

Introduction

The GT200-PN-EC gateway enables seamless connectivity between a PROFINET RT Controller and EtherCAT Servo devices. It can connect up to 16 EtherCAT Servo devices to a PROFINET IO Controller such as an S7 PLC. The GT200-PN-EC makes integrating your devices into PROFINET simple and hassle-free.

High real-time performance

The communication cycle between the two protocols of the gateway is 2ms, which can quickly realize data exchange and ensures real-time and high efficiency.



Strong anti-interference ability

Use isolated power supply to cope with various complex industrial occasions, improve the anti-interference performance of the gateway and ensure reliability.



Ease of use

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

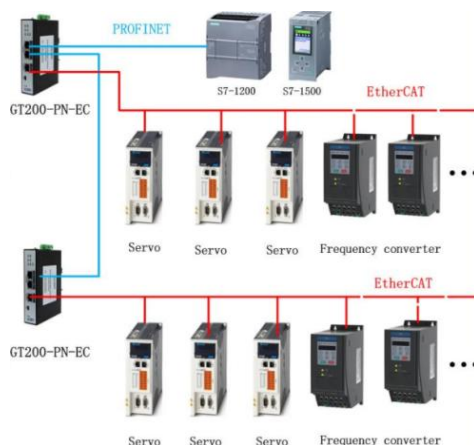


Wide range of applications

Single-axis servo drives or frequency converters based on CiA402 can be connected to the PROFINET network of Siemens PLC through a gateway.



Typical Application



The GT200-PN-EC gateway can connect EtherCAT Servo devices to a PROFINET network. It functions as a bridge in the communication network to convert between EtherCAT and PROFINET.

- PROFINET Controllers supported: Siemens PLC, S7-1200, S7-1500, S7-1500T, SIMOTION, etc.
- EtherCAT Servo devices supported: Yaskawa, Omron, Panasonic, Delta, Easton and other servos.

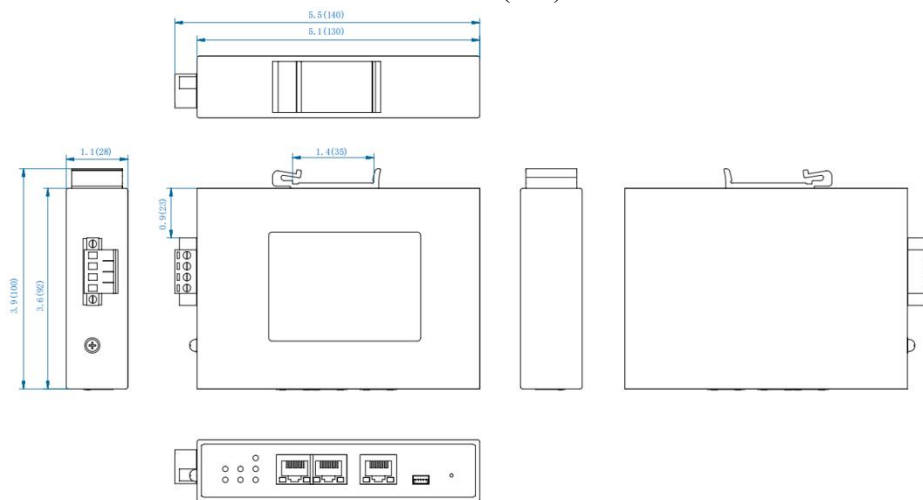


PROFINET Features	
Operation Mode	PROFINET RT Device
Maximum Slots	A maximum of 16 slots
Protocols	Support for standard PROFINET RT protocols
EtherCAT Features	
Operation Mode	EtherCAT Master (Scanner)
Maximum Number of Slave (Adapter) Connections	16 Servo devices
Supported Telegram Type	Standard telegram 1 , standard telegram 2 , standard telegram 3 , Siemens telegram 111 and 102
Electrical / Environmental	
DC Input Voltage	24 VDC (12 to 36 VDC)
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)	1.1in*5.1in*3.6in (28mm*130mm*92mm)
Mounting	35mm (1.4in) DIN Rail
Ethernet Port	10/100 Base-T, RJ45 Connector
Power Interface	4-Pin Terminal Block

Technical Specifications

Dimensions

Unit: inch (mm)



Product Recommendations

Model Name	Network Interface 1	Network Interface 2
GT200-PN-DM	PROFINET	DeviceNet
GT200-PN-CO	PROFINET	CANopen/CAN