



GT300-EC-PN

EtherCAT / PROFINET Gateway

Introduction

The GT300-EC-PN gateway enables seamless connectivity between EtherCAT devices and a PROFINET network. It can connect up to 32 EtherCAT devices to a PROFINET network and provides reliable communication between them.

Features

High Real-Time Performance

The communication cycle time between the gateway's two protocols is 2ms, 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

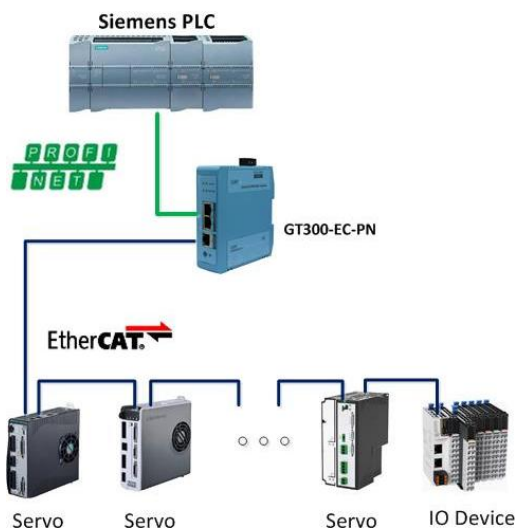
The SST-ECAT-COM graphical configuration software enables users to easily import the EtherCAT ESI files select the device parameters that need to be read or written, and map them to the PROFINET side



Wide Range of Applications

Supports EtherCAT devices such as inverters, Single/Multi-Axis servo motors, remote I/O modules, field measurement devices.

Up to 32 EtherCAT devices can be connected to PROFINET.



Typical Application

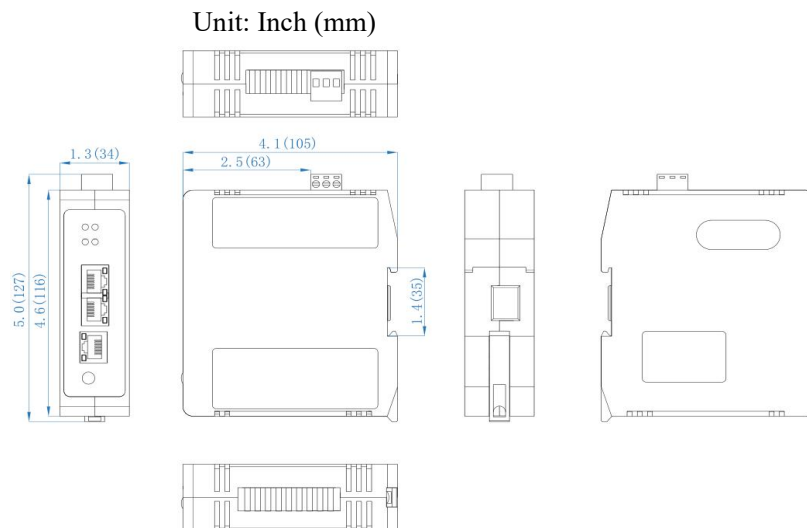
The GT300-EC-PN gateway can connect EtherCAT devices to a PROFINET network. It functions as a bridge in the communication network to convert between EtherCAT and PROFINET.

- PROFINET Controllers Supported: Siemens S7-1200, Siemens S7-1500 PLCs, and other PROFINET IO compatible controllers.
- EtherCAT Services Supported: Single/Multi-Axis Servo, IO couplers, inverters, Frequency Converter, etc.

Technical Specifications

PROFINET Features	
Operation Mode	PROFINET RT and IRT Device
Protocols Supported	Support for standard PROFINET RT and IRT protocols
Maximum Input and Output Bytes	1440 in/out
Real-Time Capability	<2ms
EtherCAT Features	
Operation Mode	EtherCAT Master
Maximum EtherCAT Devices	32
Supported Device Types	Single/Multi-Axis Servo, IO Coupler, Frequency Converter, etc.
Configuration Method	Configuration Software (Import ESI File)
Electrical / Environmental	
DC Input Voltage	24 VDC (9V-30V), 80mA (24VDC).
Operating Temperature	-40°F to 158°F (-40°C to 70°C); Humidity 5% to 95%, non-condensing
Certification	CE Compliant
Physical	
Dimensions (W x H x D)	1.3in x 4.6in x 4.1in (34mm x 116mm x 105 mm)
Mounting	35mm (1.4in) DIN Rail
Power Interface	3-Pin Terminal Block

Dimensions



Product Recommendations

Model Name	Network Interface 1	Network Interface 2
GT300-EC-EN	EtherNet/IP	EtherCAT
GT200-PN-MT	PROFINET	Modbus TCP