



GT300-EC-EN

EtherCAT / EtherNet/IP Gateway

Introduction

The GT300-EC-EN gateway enables seamless connectivity between EtherCAT devices and an EtherNet/IP network. It can connect up to 32 EtherCAT devices to an EtherNet/IP network and provides reliable communication between them.

Features

High Real-Time Performance

The communication cycle time between the gateway's two protocols is 4ms, 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 EtherCAT .ESI files, select the device parameters that need to be read or written, and map them to the EtherNet/IP side.



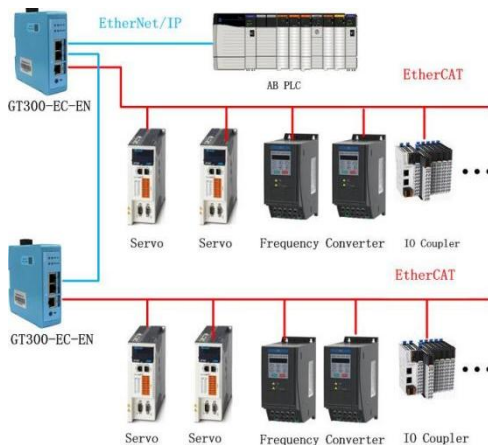
Wide Range of Applications

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



Up to 32 EtherCAT devices can be connected to EtherNet/IP.

Typical Application



The GT300-EC-EN gateway can connect EtherCAT devices to an EtherNet/IP network. It functions as a bridge in the communication network to convert between EtherCAT and EtherNet/IP.

- **EtherNet/IP Controllers Supported:** Allen-Bradley PLCs, Omron NJ/NX Series Controllers, etc.
- **EtherCAT Devices Supported:** Servo Motors, Frequency Converters, IO couplers, etc.

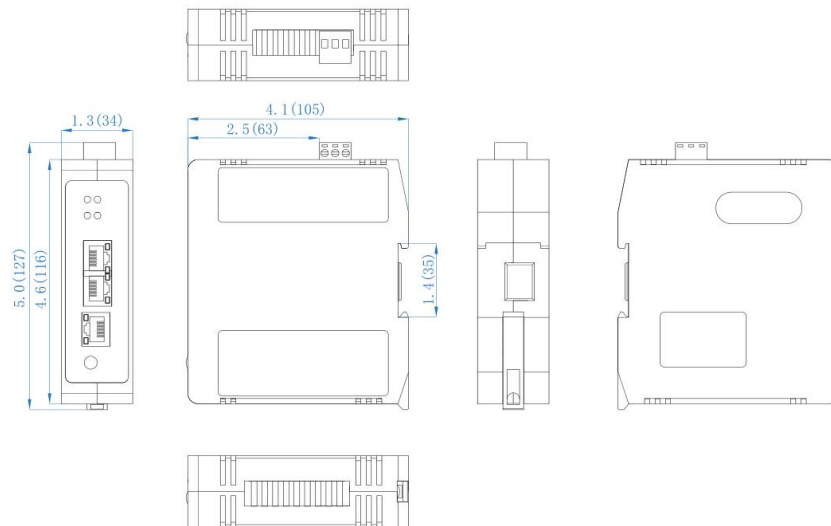


Technical Specifications

EtherNet/IP Features	
Operation Mode	EtherNet/IP Adapter (Slave)
Maximum Connection Size	Max Input Bytes: 492 Bytes Max Output Bytes: 492 Bytes
Protocols Supported	Supports OVDA standard EtherNet/IP communication protocol
EtherCAT Features	
Operation Mode	EtherCAT Master (Scanner)
Maximum EtherCAT Devices	32
Supported Device Types	Single/Multi-Axis Servo, IO Coupler, Frequency Converter, etc.
Synchronization Type	DC SYNC (2-20ms cycle), SM SYNC and FreeRun
Protocols Supported	Supports CoE and complies with the CiA402 standard
Electrical / Environmental	
DC Input Voltage	24 VDC (9 to 30 VDC)
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 105mm)
Mounting	35mm (1.4in) DIN Rail
Ethernet Port	10/100 Base-T, RJ45 Connector
Power Interface	3-Pin Terminal Block

Dimensions

Unit: Inch (mm)



Product Recommendations

Model Name	Network Interface 1	Network Interface 2
GT200-EI-CA	EtherNet/IP	CAN
GT200-EI-2RS485	EtherNet/IP	Modbus