

GT200-EC-RS

Modbus / EtherCAT Gateway



Introduction

The GT200-EC-RS gateway enables seamless connectivity between Modbus/General serial ports and EtherCAT network. It can connect multiple Modbus devices to EtherCAT network and establishes a reliable communication channel between them.

Features

Flexible Data Handling Capability

Supports configurable PDO mapping with Byte/Word/DoubleWord data types and provides high-capacity 512-byte input/output buffers for flexible industrial data handling.



Ease of use

The SST-SEC-CFG graphical configuration software enables users to easily select the Modbus device parameters that need to be read or written, and map them to the EtherCAT side.



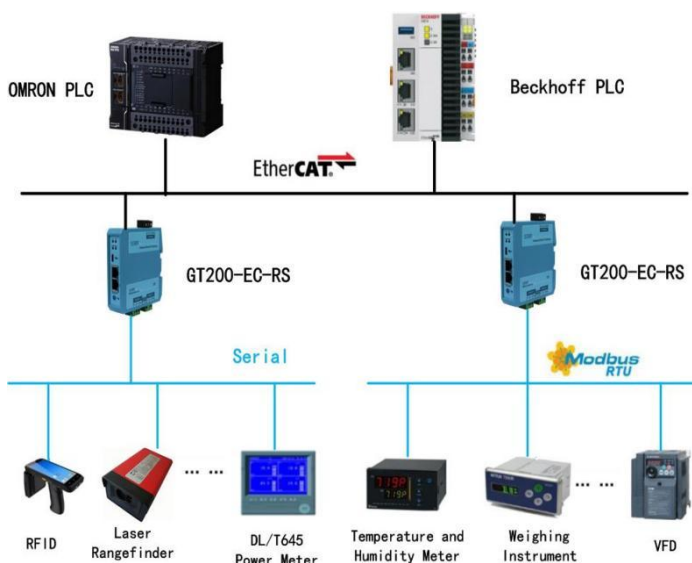
Strong anti-interference ability

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



Wide range of applications

Supports connecting such as serial devices with RS485 interfaces, laser rangefinders, weighing instruments, electricity meters, etc. The EtherCAT port supports mainstream PLCs from brands such as Beckhoff, Omron, Inovance, and Hollysys, etc.



Typical Application

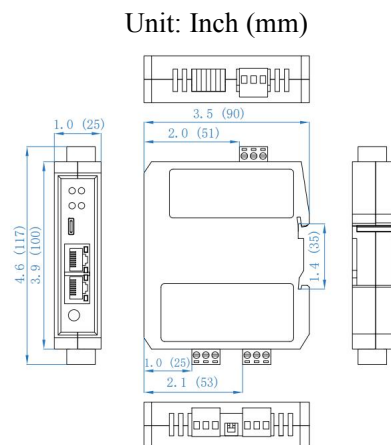
The GT200-EC-RS can connect multiple on-site serial devices to the EtherCAT network through two serial ports to realize data exchange.

- EtherCAT Controllers supported: Beckhoff, OMRON, Inovance, HollySys and other brands of PLCs.
- Modbus RTU/Serial devices supported: RFID, Laser Rangefinder, VDF, Weighing, Instrument, Temperature and Humidity Meter, and frequency converters.

Technical Specifications

EtherCAT	
Protocol Type	EtherCAT Slave
Max. Data Capacity	Supports 512 bytes input and 512 bytes output
Connected Device Type	Cascadable EtherCAT Slaves
Synchronization Type	FreeRun
Protocol Support	Supports CoE mailbox service, compliant with CiA301
Serial Port	
Protocol Type	Modbus RTU/ASCII Master/Slave/General Mode
Modbus Function Codes	01/02/03/04/05/06/15/16
Power Supply / Operating Environment	
Power Supply	Isolated power supply, 24VDC (9 ~ 30VDC)
Temperature / Humidity	-40°C ~ 70°C; 5% ~ 95% (no condensation)
Dimensions / Installation	
Dimensions (W x H x D)	1 x 3.9 x 3.5 in 25 x 100 x 90 mm
Mounting	35mm (1.4in) DIN Rail
Ethernet Port	10/100 Base-T, RJ45 Connector
Power Interface	5.08mm three-pin terminal, RS485

Dimensions



Product Recommendations

Model Name	Network Interface 1	Network Interface 2
GT200-PN-EC	PROFINET	EtherCAT
GT300-EC-EN	EtherNet/IP	EtherCAT
GT100-EI-RS	EtherNet/IP	Modbus