

GT100-EI-RS

Modbus / EtherNet/IP Gateway



Introduction

GT100-EI-RS is a gateway that can provide a seamless connection between serial (Modbus RTU/ASCII and generic) and EtherNet/IP. It can connect up to 32 Modbus (or other serial protocol) slave devices to an EtherNet/IP network. The Modbus side supports RS-485 and RS-232 serial interfaces.

In-depth support for modbus

Supports at most 100 Modbus commands. Supports function code 01H to 06H, 0FH, 10H, 17H
Support Function: Cycle output, Disabled output, Change of value and Control word trigger.



Strong anti-interference ability

Integrated RS-485 terminal resistor, pull-up and pull-down resistors, and a 2-bit DIP switch for flexible serial port configuration.



Strong EMI Resistance

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



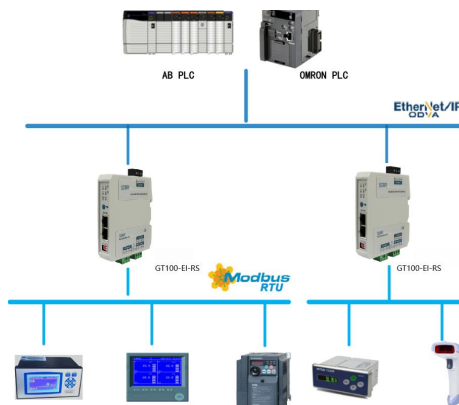
Wide Range of Applications

Two Ethernet interface, functions as EtherNet/IP adapter.
Supports Non-DLR functionality and can be directly integrated into a DLR ring network..



Typical Application

The GT100-EI-RS gateway connects Modbus RTU/ASCII devices to EtherNet/IP networks, supporting PLCs like ControlLogix, CompactLogix, ABB, and Omron. It features 1 RS232 and 1 RS485 port for easy integration.

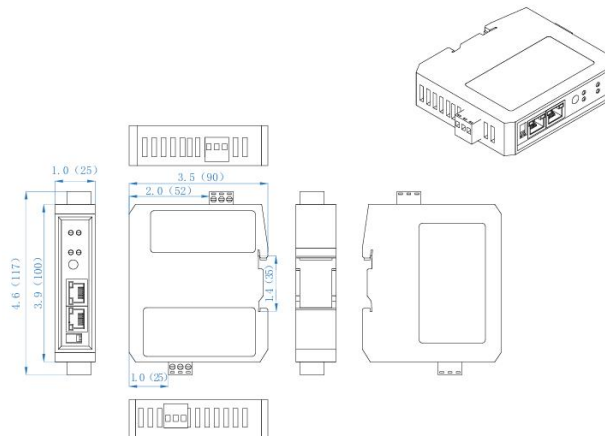


Technical Specifications

EtherNet/IP Features	
Operation Mode	EtherNet/IP Adapter
Maximum Input and Output Bytes	492 bytes in/out
Communication Mode	I/O, MSG
ProtocolsSupported	Supports OVDA standard EtherNet/IP communication protocol
Modbus Features	
Operation Mode	Modbus RTU/ASCII Master, Under universal mode
Maximum Modbus commands	32
Supported Function Code	01H, 02H, 03H, 04H, 05H, 06H, 0FH, 10H, 17H
Electrical / Environmental	
DC Input Voltage	24 VDC (9V-30V), 110mA (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)	1in x 4in x 3.6in (25mm x 100mm x 90mm)
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-PN-MT	PROFINET	Modbus TCP / EtherNet/IP
GT200-MT-EI	EtherNet/IP	Modbus TCP
GT300-EI-2RS485	EtherNet/IP	Modbus RTU/ASCII Master