



GT200-MT-EI

Modbus TCP / EtherNet/IP Gateway

Introduction

The GT200-MT-EI gateway connects Modbus TCP devices to Ethernet-based control systems and enables seamless data exchange between Modbus TCP and EtherNet/IP networks. Featuring dual Ethernet ports for easy network cascading, it provides reliable, bidirectional communication and simplifies the integration of Modbus TCP devices into EtherNet/IP automation environments.

Real-time Network Monitoring

Built-in monitoring continuously tracks EtherNet/IP or Modbus TCP connections to ensure the continuity of device online and data transmission.



Strong EMI Resistance

Uses an isolated power supply to operate reliably in complex industrial environments and improve resistance to electromagnetic interference.



Quality of Service (QoS) Guarantee

Supports Ethernet/IP QoS functionality to ensure prioritized and reliable data transmission while minimizing the risk of data loss or latency.



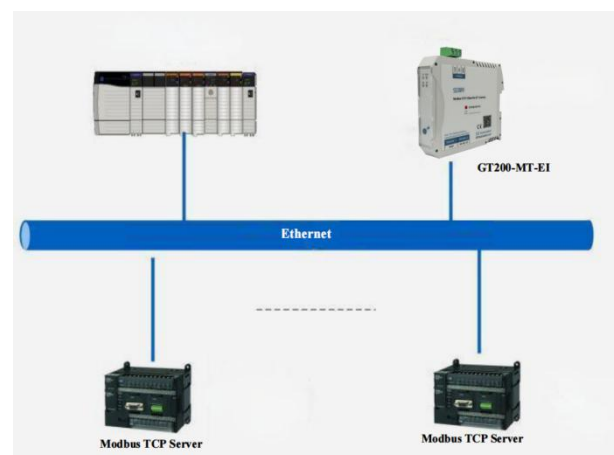
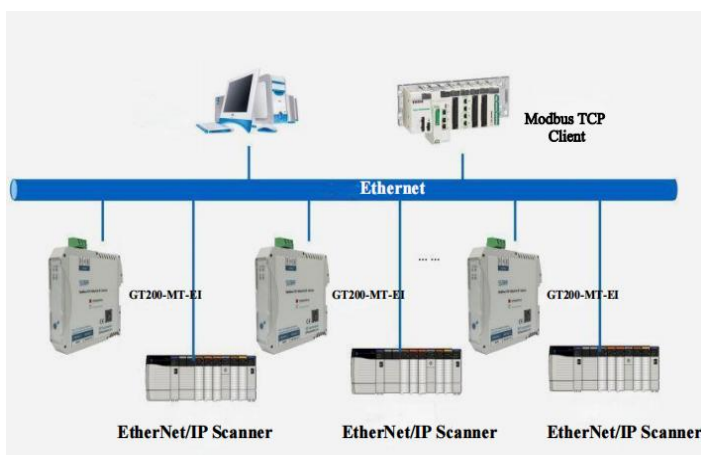
Wide Range of Applications

Operates as a Modbus TCP client/server and supports connecting up to 36 Modbus TCP devices to EtherNet/IP. Provides two command output modes: serial and parallel.



Typical Application

The GT200-MT-EI gateway connects Modbus TCP Client/Server devices to EtherNet/IP networks and supports PLC platforms such as ControlLogix, CompactLogix, ABB, and Omron.

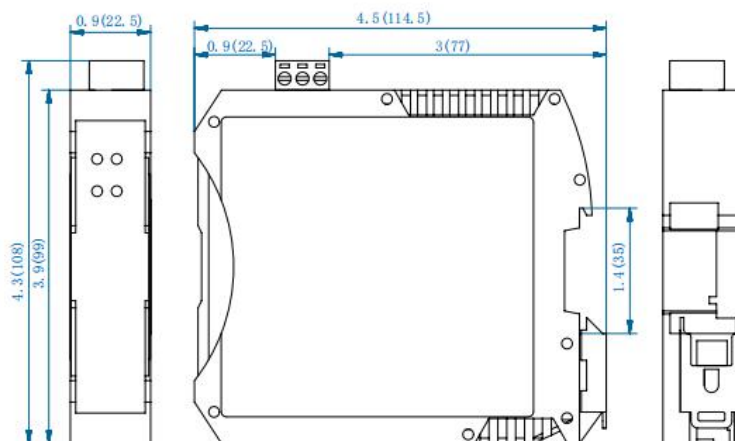


Technical Specifications

EtherNet/IP Features	
Ethernet Interface	2x RJ45 10/100/1000M Ethernet ports with built-in switch
Ethernet Communication Protocol	ODVA-compliant EtherNet/IP
EtherNet/IP Operation Mode	EtherNet/IP Adapter
Maximum Input and Output Bytes	1444 Bytes In/Out (I/O Messaging) 2000 Bytes In/Out/ (MSG Instruction Blocks)
EtherNet/IP Communication Modes Supported	Implicit Messaging (I/O Messaging) Explicit Messaging (MSG Instruction Blocks)
Modbus TCP Features	
Modbus TCP Mode	Client/Server
Maximum Modbus TCP Client/Server Devices	36
Modbus Function Codes Supported	01H, 02H, 03H, 04H, 05H, 06H, 0FH, 10H, 17H
Maximum Number of Modbus Commands	200
Command Output Mode	Serial Output / Parallel Output.
Electrical / Environmental	
DC Input Voltage	24VDC (9-30VDC), 90mA(24VDC).
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Relative Humidity	5% to 95% RH (non-condensing)
Certification	CE Compliant to EMC Test Standards
Physical	
Dimensions (W × H × D)	0.9in × 3.9in × 4.5in (22.5mm × 99mm × 114.5mm)
Mounting	35mm (1.4in) DIN Rail
Enclosure Protection Rating	IP20
Power Interface	3-Pin Terminal Block

Dimensions

Unit: Inch (mm)



Product Recommendations

Model Name	Network Interface 1	Network Interface 2
GT100-EI-RS	EtherNet/IP	Modbus RTU/ASCII Master
GT300-EI-2RS485	EtherNet/IP DLR	Modbus RTU/ASCII Master