

Introduction

GT200-BM-MT is a gateway which can exchange data between Modbus TCP servers and a BACnet IP client. It can connect multiple Modbus TCP server stations to BACnet IP network and establishes a reliable communication channel between them.

Features and Benefits

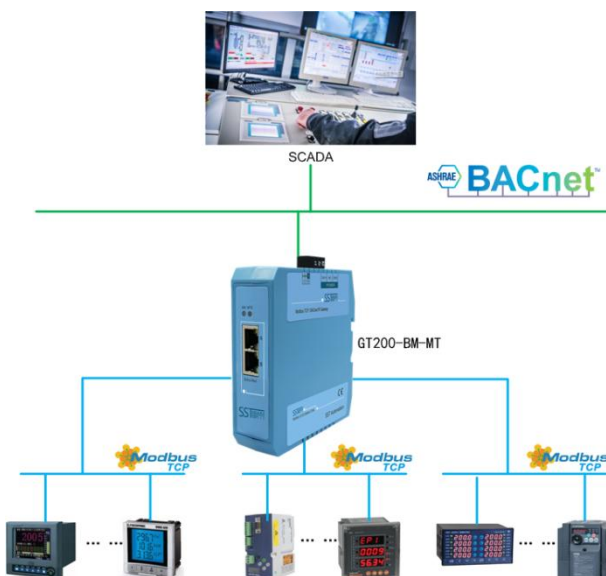
- Easy to Use: Users can refer to the product manual to quickly configure a data connection that meets their needs
- Wide Applications: Any device with a Modbus TCP interface can be connected to a BACnet IP network through the GT200-BM-MT gateway
- 2 Ethernet ports, Ethernet 10/100M (auto-negotiating), supports daisy chain connection, built-in Ethernet switch function
- Supports DHCP and static configuration
- Supports configuration software device locate and device reset functions
- Supports configuration software remote configuration function
- Easy-to-use configuration software SST-BM-CFG



Interfaces

Black Terminal	Power Supply	24V DC
Ethernet RJ45*2	Modbus TCP/BACnet IP Interface	10/100M
DIP Switch	Configure Status of GT200-BM-MT	Run, Configure, Update
Indicators	MTS/BIS	Green, Red, Orange

Typical Application



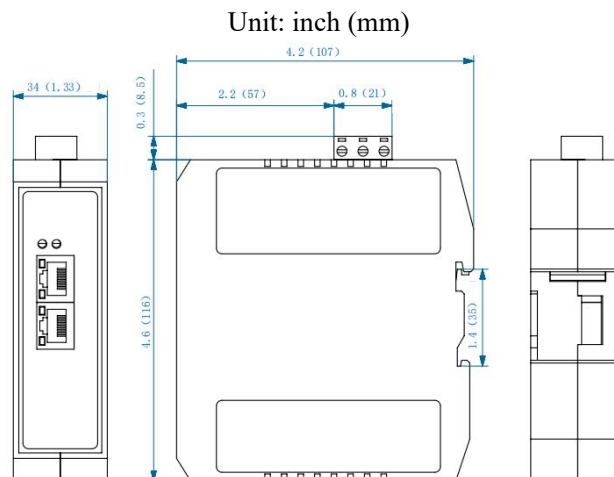
GT200-BM-MT gateway can connect Modbus TCP Server devices to BACnet IP network. GT200-BM-MT gateway is a bridge in the communication network and implements the conversation between BACnet IP and Modbus TCP.

- BACnet IP Client: Johnson Controls, KEPServerEX, SCADA
- Modbus TCP Servers: Sensors, Instruments, PLCs

Technical Specifications

Modbus TCP Features	
Operation Mode	Modbus TCP Master, Modbus TCP Server
Maximum Input and Output Bytes	2048
Maximum Modbus TCP Server Devices	36
Maximum Modbus TCP Client Devices	36
Maximum Number of Commands	128 (As Modbus Master)
BACnet IP Features	
Operation Mode	BACnet IP Server
Services Supported	Who Is, I Am, Who Has, I Have, Read Property, Write Property, Read Property Multiple
Maximum Objects Supported	500 AI, 300 AO, 300 AV 500 BI, 300 BO, 300 BV 500 MSI, 100 MSO, 100 MSV
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%
Certification	CE Compliant
Physical	
Dimensions (W x H x D)	1.33 x 4.6 x 4.2 in 34 x 116 x 107 mm
Mounting	DIN Rail
Ethernet Port	(1) 10/100 Base-T, RJ45 Connector
Power Interface	(1) 3-Pin Terminal Block

Dimensions



Product Recommendations

Module Name	Network Interface 1	Network Interface 2
GT200-MT-EI	Modbus TCP	EtherNet IP
GT200-MT-RS485	Modbus TCP	Modbus RS485