

Introduction

GT200-BM-2RS gateways can exchange data between Modbus RTU and the BACnet IP. The gateway acts as the server on BACnet IP side and the master on the Modbus side. It features two independent RS485 serial ports.

Features and Benefits

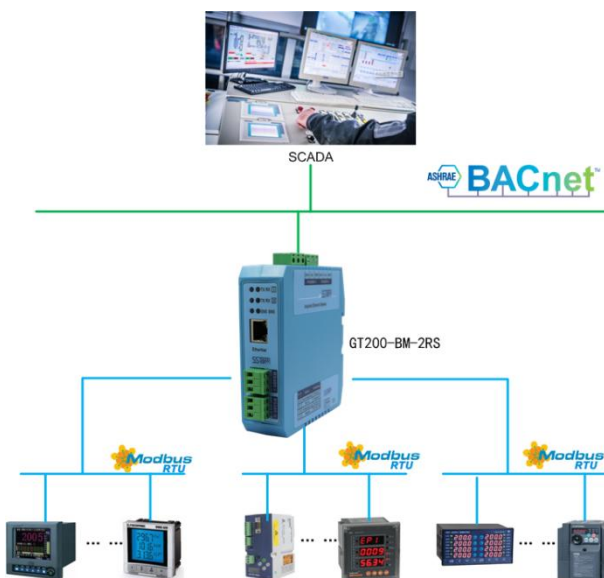
- Easy to Use: Users can refer to the product manual to quickly configure a data connection that meets their needs.
- Wide Applications: Any device with a Modbus RTU interface can be connected to a BACnet IP network through the GT200-BM-2RS gateway Ethernet ports, Ethernet 10/100M (auto-negotiating).
- Supports DHCP and static configuration.
- Modbus commands feature auto-demotion and error-handling capabilities.
- Network scanning and online/offline configuration.
- Easy-to-use configuration software SST-BM-CFG.



Interfaces

Black Terminal	Redundant Power Supply	24V DC
Ethernet RJ45	BACnet IP Interface	10/100M
DIP Switch	Configuration Status of the GT200-BM-2RS	Run, Configure
Indicators	ENS/SNS	Green, Red, Orange

Typical Application



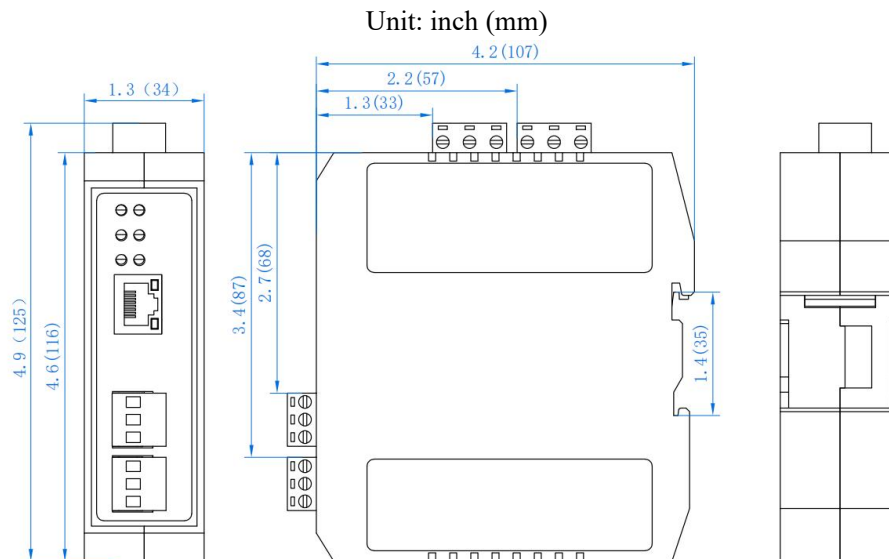
The GT200-BM-2RS gateway seamlessly connects Modbus RTU devices to BACnet IP networks, with support for a wide range of Building Management System (BMS) Controller manufacturers such as Johnson Controls, Honeywell, and Carrier. This gateway features two (2) independent RS485 serial ports, making it easy to integrate your Modbus devices into your BACnet network with greater flexibility and control over your system.

- BACnet IP Client: Johnson Controls, KEPServerEX, SCADA
- Modbus RTU Devices: Inverter, Power Meter

Technical Specifications

Modbus RTU Features	
Operation Mode	Modbus RTU Master
Maximum Modbus RTU Slave Devices	32
Maximum Number of Commands	100 (Per RS485 serial ports)
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 4.57 x 4.21 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-BM-MT	Modbus TCP	BACnet IP
GT200-EI-2RS485	Modbus RS485	EtherNet/IP