

Modbus RTU to BACnet MS/TP Device

FEATURES:

- Fully configurable Modbus RTU Slave
- Move up to 100 Groups of 512 Contiguous Coils or 512 Contiguous Registers to or from your Modbus RTU Master
- Fully Configurable BACnet MS/TP Master
- BACnet MS/TP Supports Device, Binary I/O/V, Analog I/O/V, and Character String Value Object Types
- Effortless Browser Based Configuration, no programming software is required
- Simple data translation allows you to manipulate data as it passes between protocols
- Guaranteed Stock
- 5-Year Hardware Warranty

Connect BACnet MS/TP Devices to a Modbus RTU Master

The 460MRSBM moves data between a Modbus RTU Master device and up to 32 BACnet MS/TP devices.

With the 460MRSBM you're mapping BACnet MS/TP as Binary and Analog values directly to your Modbus RTU Master.



How do I use 460MRSBM-N34 in my application?

Modbus Register data is mapped to BACnet Analog objects and Modbus Coil data is mapped to Binary objects on BACnet. The only additional piece required for BACnet is adding meta data which is nothing more than an ASCII description of each object.

It really is that simple.

Why Use Real Time Automation as a Gateway Supplier?

While there are certainly other companies offering protocol gateways, there is no one who provides the level of support and service that you receive from RTA.

When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.

Try the RTA difference today.

Always in Stock - Five Year Warranty - Made in the USA - Industry Leading Support

A Gateway, A Philosophy, My Company

"I remember my days as a controls engineer. I remember the pressure to keep the line running and product flowing. The endless headaches and stress that came every time I had to install a new gateway. If I never saw another hundred-page manual or had to deal with fifty features I didn't need it would be too soon. I knew there had to be a better way. That's how Real Time Automation was formed. I found the best engineers and gave them one task. I asked them to make solutions so easy to use the hardest part would be opening the box. It has been twenty years now and we still strive for that same goal every day."

John Rinaldi

Modbus RTU Slave FEATURES	
Operation Mode	Modbus RTU Slave
Function Codes Supported	1,2,3,4,5,6,15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus RTU Master Connections	1
Contiguous Data Areas	200 Total - 100 reads & 100 writes
Data Area Limits	512 Contiguous Coils or 512 Contiguous Registers

BACnet MS/TP Master Initiator FEATURES	
Operation Mode	BACnet MS/TP Master Initiator
Supported Object Types	Device, BI/BO/BV, AI/AO/AV, MI/MO/MV, Character String Value
Supported Service Codes	Read Property-A, Read Property Multiple-A, Write Property-A, Write Property Multiple-A, Device Dynamic Binding-A
Maximum Connections	32
Number Read/Write Scan Lines per Device	200 Total - 100 reads & 100 writes
Scan Line Support	Up to 128 Objects

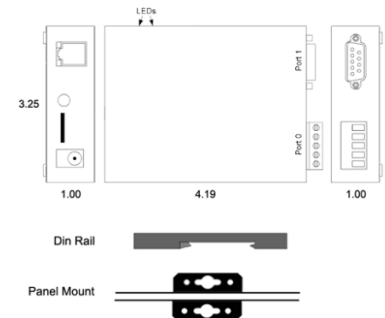
INCLUDED WITH GATEWAY	
3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support staff
Manual	

ELECTRICAL / ENVIRONMENTAL	
DC Input Voltage	8 VDC @ 230mA to 28 VDC @ 80 mA
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, CE Approvals, Class I Div 2

ENCLOSURE / HARDWARE	
Size	4.2" x 3.25" x 1"
Weight	7 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	Ethernet link/data LED, Ethernet speed LED, power LED, & 2 general purpose LEDs on side

GATEWAY FEATURES & FUNCTIONS	
Alarming	Set <, <=, >, >=, ==, !=, and change-of-state rules on any data moving through the gateway. If alarm rule is triggered an email notification can be sent.
Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.
Translation Table	Allows for data manipulation during protocol translation. Scaling and other data format changes can occur in the gateway.
Status and Counters	Protocol specific status, counters, and error messages are accessible within the gateways diagnostics page. They can also be delivered to a connected device.
Diagnostic Logging Page	Allows users to see and log start up sequences, protocol specific messages & error messages.

DIMENSIONS



NOT EXACTLY WHAT YOU WERE LOOKING FOR?

Real Time Automation offers a full line of gateway products. If this is not the one you were looking for, give us a call at 1-800-249-1612. Or, check out a listing at www.rtaautomation.com/products. We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

CATALOG #	DESCRIPTION
460MRSBM-N34	Connects a Modbus RTU Master with as many as 32 BACnet MS/TP Slaves

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