Modbus RTU Slaves to BACnet/IP

FEATURES

- Fully configurable Modbus RTU master

- Connects up to 32 Modbus RTU slaves

- Fully configurable BACnet/IP client

- BACnet/IP supports device, binary I/O/V, analog I/O/V, multi-state 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 Modbus RTU Slaves to BACnet/IP Server Devices

The 460MMBM moves data between a network of up to 32 Modbus RTU slaves and up to 32 BACnet MS/TP devices.

With the 460MMBM, you're mapping Modbus coil and register data directly to BACnet MS/TP as binary and analog values.
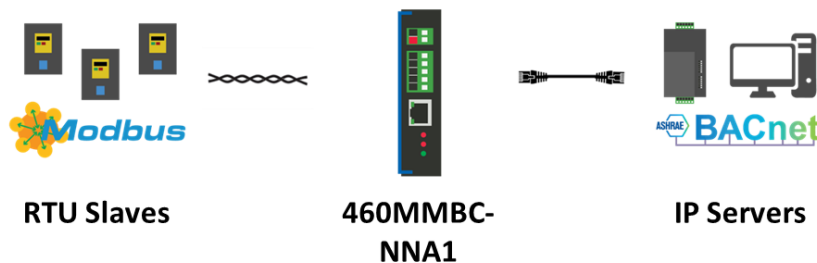
How Do I Use the 460MMBC-NNA1 in My Application?

Modbus register data is mapped to BACnet analog objects and Modbus coil data is mapped to Binary objects. The only additional piece required for BACnet is adding metadata 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.

RTU Slaves   **460MMBC-NNA1**   **IP Servers**

A Solution, A Philosophy, the RTA Way. We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That's how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support second to none. If you get all that and a fun customer experience all the better. Thirty years later, our mission remains the same: **To move your data where you need it, when you need it, and how you need it.**

Modbus RTU Master

Operation Mode	Modbus RTU Master
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus RTU Slave Devices	32
Number Read/Write Scan Lines per RTU Slave Device	200 Total - 100 reads & 100 writes
Scan Line Support	Up to 125 Registers or 512 Coils

BACnet/IP Client

Operation Mode	BACnet/IP Client
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	12-24 VDC
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, CE Approvals

ENCLOSURE / HARDWARE

Size	3.88" x 2.57" x 1.06"
Weight	5.5 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	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 gateway's 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.

DIN Rail Mount

3.88

2.57

Note: All dimensions are in Inches

1.06   PWR 1 2

NOT EXACTLY WHAT YOU WERE LOOKING FOR?
Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at www.rtautomation.com/products. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460MMBC-NNA1	Connects up to 32 Modbus RTU slaves with as many as 32 BACnet MS/TP slaves

Made in the U.S.A.

Always In Stock

Ready to Ship

Expert Support

Real Time Automation, Inc.   solutions@rtautomation.com   1-800-249-1612