REAL TIME AUTOMATION, INC.
N26W23315 Paul Road, Pewaukee, WI 53072
800.249.1612 | solutions@rtautomation.com

REAL TIME AUTOMATION GATEWAY 460MCBC-NNA1

MODBUS TCP/IP TO BACNET/IP

KEY FEATURES

- Fully configurable Modbus TCP/IP Client
- Connects up to 32 Modbus TCP/IP servers
- 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
- 5-year hardware warranty

Connect Modbus TCP/IP Servers to BACnet/IP Servers

The 460MCBC moves data between up to 32 Modbus TCP/IP servers and up to 32 BACnet/IP servers.

It's a perfect tool to move data between your Modbus power meters, boilers, chillers, and other server devices and your BACnet/IP server devices.

How Do I Use the 460MCBC In My Application?

For most applications, the mapping is very straightforward. 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 to each object.

It really is that simple.

Why Use RTA As Your Gateway Supplier?

We are dedicated to being your trusted partner. 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 comes from technical experts who know the product inside and out.

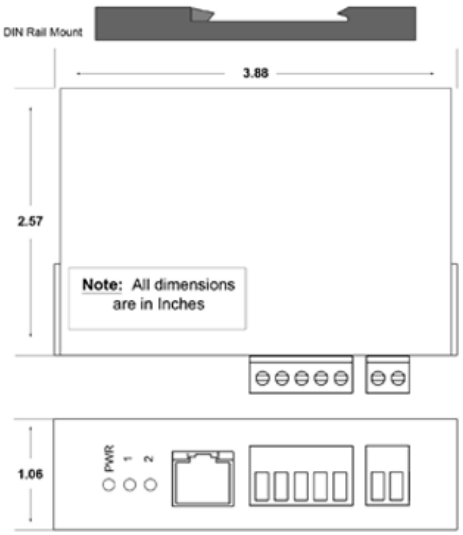
ALWAYS IN STOCK | READY TO SHIP | BREWED IN WISCONSIN | EXPERT SUPPORT | 5-YEAR WARRANTY | PROTOCOL PARTNER

REAL TIME AUTOMATION, INC.
N26W23315 Paul Road, Pewaukee, WI 53072
800.249.1612 | solutions@rtautomation.com

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

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	
Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.
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.



NOT EXACTLY WHAT YOU WERE LOOKING FOR?
RTA offers a full line of gateway products. Give us a call at 1-800-249-1612 or visit www.rtautomation.com. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460MCBC-NNA1	Modbus TCP/IP to BACnet/IP