

## USB to BACnet MS/TP Master

### FEATURES:

- Fully Configurable BACnet MS/TP Responder
- BACnet MS/TP Supports Device, Binary I/O, Analog I/O, and Character String Value Object Types
- Full support for USB Barcode Scanners & Printers
- Provides up to 1 amp of power between USB ports
- 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

### Get Your USB Barcode Scanners Connected Directly to your BACnet MS/TP Master Device

The 460BMSUSB moves data between up to 2 USB devices like barcode scanners and a BACnet MS/TP Master device. It's the perfect tool to tie your USB devices to your BACnet MS/TP Building Automation System (BAS).

Perfect tool for barcode scanners and printers.

#### How do I use 460BMSUSB-N70U in my application?

BACnet analog, binary and CSV data segments can be converted to ASCII and delivered to your ASCII controller. If you need to command the BACnet/IP Servers an incoming ASCII string can be parsed and directed to user defined data location.

If your device uses delimiters, the 460BMSUSB can be configured to automatically remove the delimiters. If you need to parse your data, the 460BMSUSB can parse a string of ASCII data in up to 50 segments by delimiter or offset.

#### 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*



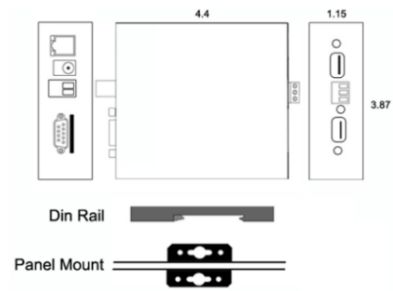
BACnet MS/TP Master Responder FEATURES	
Operation Mode	BACnet MS/TP Master Responder
Supported Object Types	Device, Binary I/O, Analog I/O, Character String Value
Supported Service Codes	Read & Read Multiple-B, Write & Write Multiple-B, COV & COV unsolicited-B, Device Dynamic Binding-B, Dynamic Object Binding-B
Maximum Connections	1
Analog Objects Supported	1200 Input and 1200 Output
Binary Objects Supported	1600 Input and 1600 Output

USB FEATURES	
Operation Mode	Class 3 (HID) and Class 7 (Printer)
Maximum Number of Devices Supported	2
ASCII Device Interfaces	USB
Maximum Number of ASCII Characters Transferred	128
Delimiter Processing	Incoming delimiters can be automatically removed; Outgoing delimiters automatically added if configured
Parsing	Parse string of ASCII data in up to 50 segments by delimiter or offset

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

### DIMENSIONS



ENCLOSURE / HARDWARE	
Size	4.4" x 3.87" x 1.15"
Weight	5 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	Power LED, Ethernet link/data LED, Ethernet speed LED, & 2 USB LEDs

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.

**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](http://www.rtaautomation.com/products). We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

CATALOG #	DESCRIPTION
460BMSUSB-N70U	Connects a BACnet MS/TP Master with up to 2 USB devices

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