

## Connect BACnet MS/TP Devices to Serial Allen-Bradley PLCs

### FEATURES:

- Fully Configurable BACnet MS/TP Master
- BACnet MS/TP Supports Device, Binary I/O/V, Analog I/O/V, Multi-State I/O/V, and Character String Value Object Types
- Support for PLC5, SLC and MicroLogix PLCs
- Connect up to 32 DF1 Serial Devices
- 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

### Control Up To 32 BACnet MS/TP Devices from a Serial PLC5, SLC or MicroLogix PLC

You can now control a network of 32 BACnet MS/TP devices from a legacy Allen-Bradley serial PLC. It's the perfect tool to save legacy PLCs from the scrap pile and control BACnet MS/TP devices directly from the serial port of PLC5s, SLCs and MicroLogix's.

You can now extend the function of the legacy PLCs you already have.

#### How do I use 460BMDFM-N34 in my application?

PLC data table values (File like N7:200 and F9:1) are mapped directly into analog and binary values. Input files from your legacy PLC are passed to the BACnet MS/TP devices. Output data received from BACnet MS/TP is written to your legacy PLC data table.

No message instructions and no ladder. 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*



| 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  |

| DF1 Master FEATURES                 |   |
|-------------------------------------|---|
| Operation Mode                      | DF1 Master Full Duplex and DF1 Master Half Duplex                             |
| PLCs Supported                      | MicroLogix 1000, SLC 5/03 5/04 5/05, most PLC5s                               |
| Maximum number of Devices supported | 1 in Full Duplex Mode, 32 in Half Duplex                                      |
| Data Type Supported                 | 100 Integers or 100 Binaries, or 50 floats, 82 character string per Scan line |
| Scan Lines                          | 100 input / 100 output  |
| Physical Connections                | RS485 and RS232   |

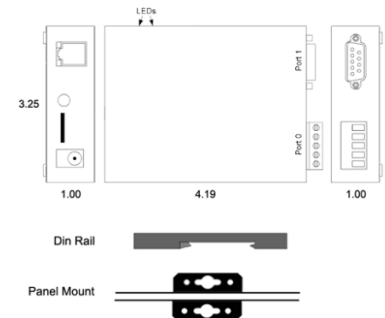
| INCLUDED WITH GATEWAY   |  |
|---|--|
| 3' power cable with flying leads                                    | 5-year hardware warranty   |
| IPSetup software – automatically locates RTA gateway on the network | Unlimited firmware feature upgrades for life                     |
| CAT5 crossover cable 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](http://www.rtaautomation.com/products). We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

| CATALOG #    | DESCRIPTION   |
|--------------|---|
| 460BMDFM-N34 | Connects up to 32 BACnet MS/TP Slaves with as many as 32 DF1 Slaves |

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