

## Modbus RTU to Allen-Bradley PLC

### FEATURES

- Supports connection to 5 Allen-Bradley PLCs
- Up to 150 Tag or File Arrays of data can be mapped in each direction
- Fully configurable Modbus RTU Master
- Connects up to 32 Modbus RTU Slaves
- 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 Modbus RTU Slave Devices Connected Directly to the Data Table of your Allen-Bradley PLC

The 460ETCMM moves data between up to 32 Modbus RTU Slave devices and up to 5 Allen-Bradley PLC's. It saves legacy Modbus RTU devices from the scrap pile and allows you to use the many of Modbus RTU devices available in your AB PLC architectures.

Best of all the product is Made in the USA, is always in stock and comes with 5 year warranty.



### How do I use 460ETCMM-NNA4 in my application?

You allocate two blocks in your Allen-Bradley PLC. One area is write only tags or register blocks accepting data from your Modbus RTU devices. The other area is read only tags or register blocks to send data to your Modbus RTU devices.

It's really that simple. Need to modify your data as it passes from one protocol to the other? No problem. Each data mapping you apply can be modified with up to 3 mathematic functions. Add 4 to a value, multiply by 4 and divide by 10 with ease.

### 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! Call us at 800-249-1612 or check out our solutions at [www.rtautomation.com](http://www.rtautomation.com).**

**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.**

**EtherNet/IP Tag Client FEATURES**

PLC Support	ControlLogix, CompactLogix, FlexLogix, MicroLogix, SLC's and PLC5E's
Maximum Number of PLCs Supported	5
Maximum Number of Input Tags or Files per PLC	150
Maximum Number of Output Tags or Files per PLC	150
Array Support	Yes, for all data types except strings
Supported Data Types	ControlLogix / CompactLogix / FlexLogix: Bit, 32 Bit Array, SINT, INT, REAL, STRING, DINT, MicroLogix / SLC / PLC5E: 16 Bit Array, INT, REAL, String

**Modbus RTU Master FEATURES**

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

**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

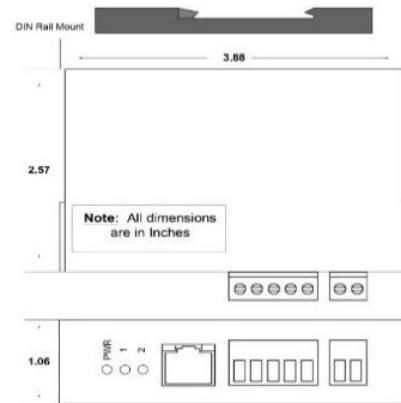
**ENCLOSURE / HARDWARE**

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

CATALOG #	DESCRIPTION
460ETCMM-NNA4	Connects up to 5 Allen-Bradley PLCs with as many as 32 Modbus RTU Slaves

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