

## EtherNet/IP to Modbus RTU Slave

### FEATURES:

- Fully Configurable EtherNet/IP Scanner
- Map Data from up to 32 EtherNet/IP Adapters
- 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

### Connect EtherNet/IP Adapter Devices to Modbus RTU Slaves

The 460ECMM moves Registers and Coils between Modbus RTU Slave devices and an EtherNet/IP network of Adapter devices. It's the perfect tool to tie in all of your EtherNet/IP devices into your Modbus RTU network.

Easily interface existing device networks without have to add a controller.

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

For Most applications the mapping is very straight forward. Modbus Register and Coil data is mapped to up 496 bytes of EtherNet/IP data per Adapter. EtherNet/IP IO data is mapped directly to your Modbus RTU Slave registers and coils.

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*



EtherNet/IP Scanner FEATURES	
Operation Mode	Class 1 I/O Scanner
Message Support	Implicit Class 1 Cyclic I/O, Explicit not supported
Data Types	BIT8,16 & 32; INT8, 16, 32 & 64; UINT8,16, 32 & 64; Float & Double
Maximum EtherNet/IP Adapter Devices	32
Max Data Per Adapter Connection	Up to 496 bytes in each direction
Maximum IO Scan Rate	20 msec

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

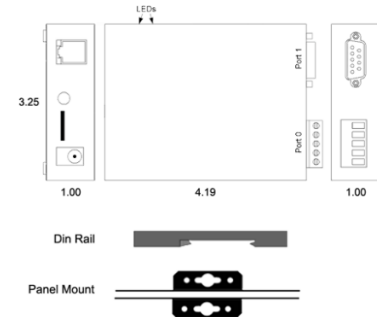
INCLUDED WITH GATEWAY	
3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support staff
Manual	

ELECTRICAL / ENVIRONMENTAL	
DC Input Voltage	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
460ECMM-N34	Connects up to 32 EtherNet/IP Adapters with as many as 32 Modbus RTU Slave devices

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