

EtherNet/IP to Modbus RTU Server

FEATURES

- Fully configurable EtherNet/IP scanner
- Map data from up to 32 EtherNet/IP adapters
- Fully configurable Modbus RTU Client
- Connects up to 32 Modbus RTU Servers
- 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 EtherNet/IP Adapter Devices to Modbus RTU Servers

The 460ECMM moves registers and coils between Modbus RTU Server 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 having to add a controller.

How Do I Use the 460ECMM-NNA4 in My Application?

For most applications, the mapping is very straightforward. 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 Server 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.

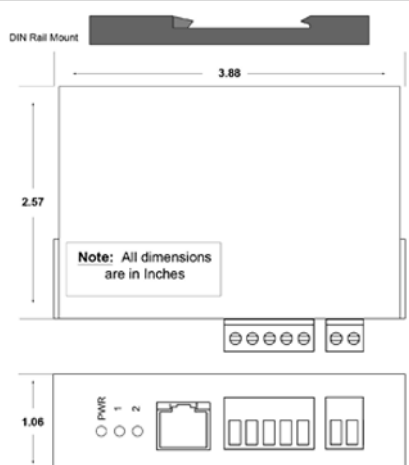
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



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 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 | 50 msec |
| MODBUS RTU CLIENT FEATURES | |
| Operation Mode | Modbus RTU Client |
| Function Codes Supported | 1,2,3,4,5,6, 15 & 16 |
| Swapping | Byte and Word Swapping |
| Maximum Modbus RTU Server Devices | 32 |
| Number Read/Write Scan Lines per RTU Server 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 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?
 Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at www.rtautomation.com/products. We also offer customizations for unique applications.

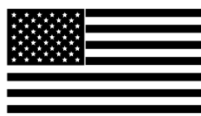
| CATALOG # | DESCRIPTION |
|--------------|---|
| 460ECMM-NNA4 | Connects up to 32 EtherNet/IP adapters with as many as 32 Modbus RTU Server devices |



ALWAYS IN STOCK



READY TO SHIP



MADE IN THE USA



EXPERT SUPPORT



5-YEAR WARRANTY



EMPLOYEE OWNED