

## EtherNet/IP to Modbus TCP/IP Client

### FEATURES

- Fully Configurable EtherNet/IP Adapter
- Supports Up To 480 Bytes of Input and 480 Bytes of Output Data
- Fully configurable Modbus TCP/IP Server
- Move up to 100 Groups of 512 Contiguous Coils or 512 Contiguous Registers to or from your Modbus TCP/IP Client
- 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 Scanner Data to a Modbus TCP/IP Client

The 460ESMS connects Modbus TCP/IP client devices to EtherNet/IP PLCs It's the perfect tool to integrate cost effective Modbus TCP/IP controllers into your EtherNet/IP architecture.

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

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

For most applications, the mapping is very straightforward. Modbus register and coil data is mapped to the EtherNet/IP IO block. Up to 480 bytes of data can be mapped in each direction between protocols.

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.

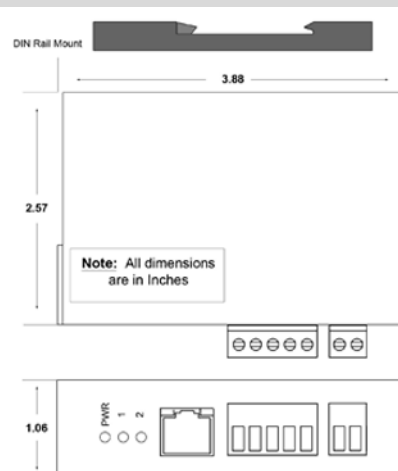
**Try the RTA difference today! Call us at 800-249-1612 or check out our solutions at [rtautomation.com](http://rtautomation.com)**



**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 Adapter FEATURES  |  |
|---|--|
| Operation Mode  | Class 1 I/O Adapter  |
| Message Support   | 4  |
| Data Types  | BIT8,16 & 32; INT8, 16, 32 & 64; UINT8,16, 32 & 64; Float & Double |
| Maximum EtherNet/IP Scanner Devices                                 | Up to 10 can listen, only 1 can write I/O                          |
| Maximum Data Supported  | Up to 480 bytes in each direction                                  |
| Maximum IO Scan Rate  | 20 msec  |
| Modbus TCP/IP Server FEATURES                                       |  |
| Operation Mode  | Modbus TCP/IP Server   |
| Function Codes Supported  | 1,2,3,4,5,6, 15 & 16   |
| Swapping  | Byte and Word Swapping   |
| Maximum Modbus TCP/IP Client Connections                            | 10   |
| Contiguous Data Areas   | 200 Total - 100 reads & 100 writes                                 |
| Data Area Limits  | 512 Contiguous Coils or 512 Contiguous Registers                   |
| 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](http://www.rtautomation.com/products). We also offer customizations for unique applications.

| CATALOG #    | DESCRIPTION  |
|--------------|--|
| 460ESMS-NNA4 | Connects an EtherNet/IP scanner with a Modbus TCP client |

