

## Ethernet TCP/IP to Modbus RTU Client Gateway

### FEATURES

- Fully configurable Modbus RTU Server
- Move up to 100 groups of 512 contiguous coils or 512 contiguous registers to or from your Modbus RTU Client
- Support up to 10 TCP/IP devices
- Parse & concatenate ASCII/HEX data in up to 50 segments by delimiter or offset
- 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

### Get Data from a Modbus RTU Client into Your Ethernet TCP/IP Devices

The 460MRSTCP moves data between a Modbus RTU Client and an ASCII-based Ethernet device. It allows you to convert the ASCII data strings into meaningful data types for use in your controller.

Best of all, the product comes with 5-year warranty.

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

Up to 1024 characters can be parsed into up to 50 segments. Each segment can be assigned a data type and mapped to a user-defined register or coil locations. Up to 50 segments of data on Modbus data can be concatenated and delivered as string. 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 three mathematic functions. Need to add or remove delimiters between segments, it does that too.

### 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.



RTU Clients



460MRSTCP-NNA4

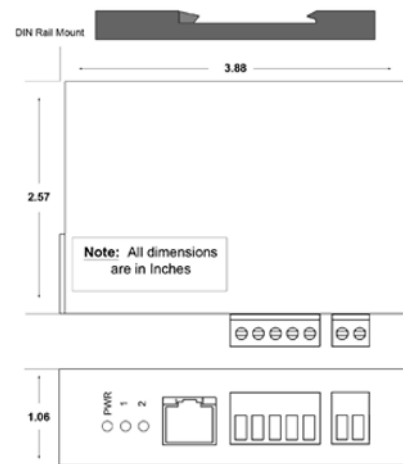


Scanners, Printers, and ASCII Devices

**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.**

| MODBUS RTU SERVER FEATURES  |   |
|---|---|
| Operation Mode  | Modbus RTU Server   |
| Function Codes Supported  | 1,2,3,4,5,6, 15 & 16  |
| Swapping  | Byte and Word Swapping  |
| Maximum Modbus RTU Client Connections                               | 1   |
| Contiguous Data Areas   | 200 Total - 100 reads & 100 writes  |
| Data Area Limits  | 512 Contiguous Coils or 512 Contiguous Registers  |
| ETHERNET TCP/IP FEATURES  |   |
| Operation Mode  | Client or Server  |
| Maximum Number of Devices Supported                                 | 10  |
| Maximum Number of Characters Transferred                            | 1024  |
| Delimiter Processing  | Incoming delimiters can be automatically removed; Outgoing delimiters automatically added if configured |
| Parsing   | Parse String of ASCII Data in up to 50 Segments by Delimiter or Offset                                  |
| Concatenation   | Concatenate up to 50 segments/strings of ASCII data with optional delimiter                             |
| 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   |
|----------------|---|
| 460MRSTCP-NNA4 | Connects a Modbus RTU Client with as many as 10 Ethernet TCP/IP devices |

