

## Wireless web Interface to Modbus TCP/IP Client

### FEATURES

- 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
- Get PLC data table entries encoded in either JSON or XML
- Bidirectional data transfer supports both HTTP GET and POST
- 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

### Web Client Access to a Modbus TCP Client OVER Wi-Fi

With the 460MSWI, it is easier than ever to monitor your Modbus controller via web applications. Use that data to easily build a dashboard, archive data or create a sophisticated alarm system. The gateway presents the data as JSON or XML files transferred via HTTP commands over Wi-Fi using Wi-Fi IEEE 802.11 b/g/n at 2.4GHz with AES encryption 128-bit.

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

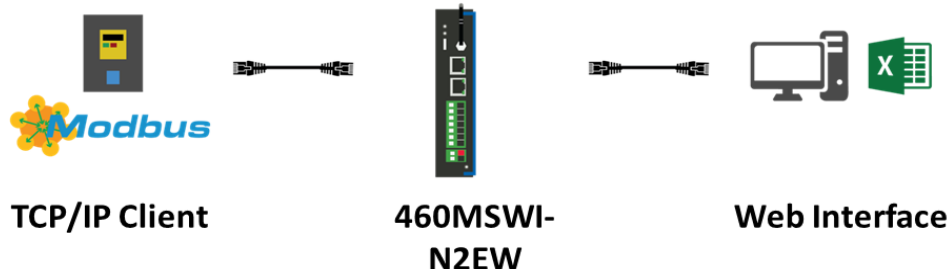
### How Do I Use the 460MSWI-N2EW in My Application?

First, you configure the 460MSWI using the browser-based configuration pages. You'll identify the data set to expose on Modbus. This will identify the Modbus registers and coils that will be available for you to read/write. Once that's complete, you'll map, name and group the data to be presented as XML or JSON files. Your application can issue standard HTTP GET or POST instructions to move data into your application. Up to 1000 data points can be moved in each direction.

### 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.

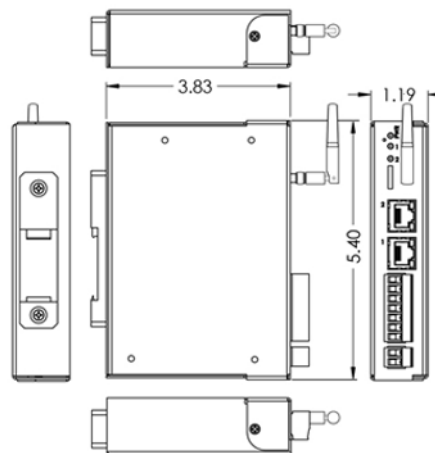
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



**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.**

| Modbus TCP 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                      |
| Web Interface FEATURES                                              |                                                                       |
| Max Web Interface Connections                                       | One (gateway acting as client) / Unlimited (gateway acting as server) |
| Encodings                                                           | JSON and XML                                                          |
| Proxy Support                                                       | HTTP, SOCKS5 for Client                                               |
| Maximum Number of Input Data Points                                 | 1000 JSON Fields or 1000 XML Tags                                     |
| Maximum Number of Output Data Points                                | 1000 JSON Fields or 1000 XML Tags                                     |
| HTTP Services                                                       | Client: POST only; Server: GET and POST                               |
| 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, Class I Div 2                                                                                                           |
| ENCLOSURE / HARDWARE         |                                                                                                                                                                |
| Size                         | 5.40" x 3.83" x 1.19"                                                                                                                                          |
| Weight                       | 7.6 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                                         |
|--------------|-----------------------------------------------------|
| 460MSWI-N2EW | Web client access to a Modbus TCP client over Wi-Fi |



MADE IN THE  
**U.S.A.**



ALWAYS IN  
**STOCK**



READY TO  
**SHIP**



EXPERT  
**SUPPORT**

