

Web Interface for Allen-Bradley PLCs

FEATURES

- Supports connection to five Allen-Bradley PLCs
- Up to 150 tag or file arrays of data can be mapped in each direction
- 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

Access Your Allen-Bradley PLC Data from a Web Interface Device

The 460ETCWI moves data between a web interface device and one to five Allen-Bradley PLCs. The gateway presents the data as JSON or XML files transferred via HTTP commands.

With the 460ETCWI, you are making a direct connection between XML/JSON data and user-defined tags or files in the data table of your Allen-Bradley PLC. There is no polling from the PLC or EtherNet/IP scan lists to arrange.

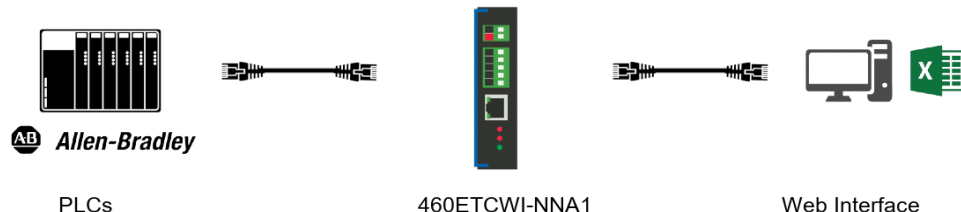
How Do I Use the 460ETCWI-NNA1 in My Application?

You allocate a minimum of two blocks in your Allen-Bradley PLC. One block is for write only tags or register blocks accepting data from XML/JSON. The other block is read only tags or register blocks to send data to your web interface. It's really 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 TAG CLIENT FEATURES

| | |
|--|---|
| PLC Support | ControlLogix, CompactLogix, FlexLogix, MicroLogix, SLCs and PLC5Es |
| Maximum Number of PLCs Supported | 5 |
| Maximum Number of Input/Output Tags or Files per PLC | 150 |
| Maximum Number of Bytes per PLC Tag | 400 |
| Array Support | Yes, for all data types except strings |
| Supported Data Types | Usint, Sint, Uint, Int, Udint, Dint, Real, String, Bit Array 16, Bit Array 32, Bool, and Long |

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 |

ENCLOSURE / HARDWARE

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|----------------|--|
| 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 |
|---------------|---|
| 460ETCWI-NNA1 | Connect up to five Allen-Bradley PLCs to a web interface device |

