CONTACT US!
1-800-249-1612
rtautomation.com

## Web Interface to BACnet/IP Client

# FEATURES

- Fully configurable BACnet/IP server

- BACnet/IP supports device, binary I/O, analog I/O, and character string value object types

- 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 BACnet/IP Building Management System from a Web Client

With the 460BSWI, it is easier than ever to monitor your BACnet/IP control system data from Excel or pull table values into your web applications. Use that data to easily build an Excel log, a dashboard, archive data, or create a sophisticated alarm system. The 460BSWI gets you the data – you just have to make use of it.
Best of all, the product comes with 5-year warranty.

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

First, you configure the 460BSWI using the browser-based configuration pages. You'll identify the data set to expose on BACnet. 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 100 data points can be moved in each direction.
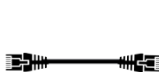
## Why Use Real Time Automation as a Gateway Supplier?

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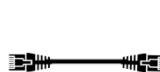
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



| IP Client | 460BSWI-NNA4 | Web Interface |

**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.**

## BACNET IP SERVER FEATURES

| | |
|---|---|
| Operation Mode | BACnet/IP Server |
| Supported Object Types | Device, Binary I/O, Analog I/O, Character String Value |
| Supported Service Codes | Read & Read Multiple-B, Write & Write Multiple-B, COV & COV unsolicited-B, Device Dynamic Binding-B, Dynamic Object Binding-B |
| Maximum COV Subscriptions | 2800 |
| Analog Objects Supported | 1200 Input and 1200 Output |
| Binary Objects Supported | 1600 Input and 1600 Output |

## 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

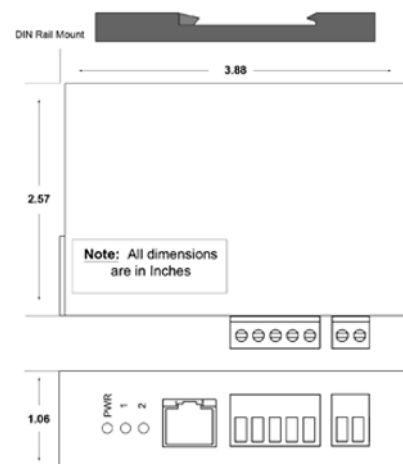| | |
|---|---|
| 3' power cable with flying leads | 5-year hardware warranty |
| IPSetup software – automatically locates RTA gateway on the network | Unlimited firmware feature upgrades for life |
| CAT5 crossover cable for direct connection to PC during programming | Complete, unlimited access to 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

| | |
|---|---|
| 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 |
|---|---|
| 460BSWI-NNA4 | Access your BACnet/IP building management system from a web client |

ALWAYS IN STOCK | READY TO SHIP | ENGINERD SUPPORT | 5-YEAR WARRANTY | EMPLOYEE OWNED