



REAL TIME AUTOMATION GATEWAY

460BCAWS-NNA4

# BACNET/IP SERVERS TO AMAZON WEB SERVICES (AWS)

## KEY FEATURES

- ▶ Fully configurable BACnet/IP Client
- ▶ BACnet/IP supports device, binary I/O/V, analog I/O/V, multi-state I/O/V, and character string value object types
- ▶ AWS Certified Product
- ▶ Allows factory floor based devices to move its data to IT
- ▶ 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

## Connect BACnet/IP Server Devices to AWS IoT Core

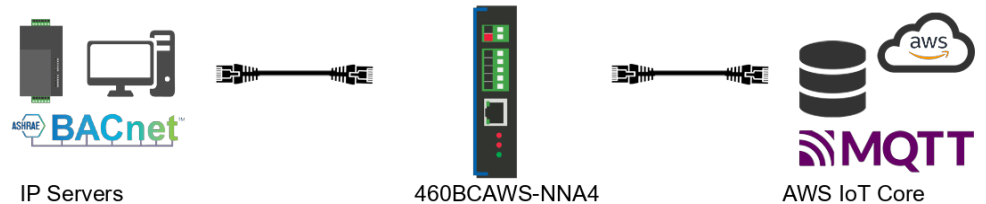
The 460BCAWS moves data between up to 32 BACnet/IP devices and AWS. Connect your BACnet/IP devices to the AWS platform. Allowing you to easily log data and leverage in populating dashboards. The 460BCAWS delivers BACnet analog and binary data to AWS topics in a JSON format.

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

## How Do I Use the 460BCAWS In My Application?

Analog and binary BACnet data values become topics published or subscribed to within AWS.

SSL transport layer security protects the data moving from your operations network to the cloud.



## Why Use RTA As Your Gateway Supplier?

We are dedicated to being your trusted partner. 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 comes from technical experts who know the product inside and out.

- ALWAYS IN STOCK
- READY TO SHIP
- BREWED IN WISCONSIN
- EXPERT SUPPORT
- 5-YEAR WARRANTY
- PROTOCOL PARTNER

### BACNET/IP CLIENT FEATURES

|   |  |
|---|--|
| Operation Mode                          | BACnet/IP Client   |
| Supported Object Types                  | Device, BI/BO/BV, AI/AO/AV, MI/MO/MV, Character String Value   |
| Supported Service Codes                 | Read Property-A, Read Property Multiple-A, Write Property-A, Write Property Multiple-A, Device Dynamic Binding-A |
| Maximum Connections                     | 32   |
| Number Read/Write Scan Lines per Device | 200 Total - 100 reads & 100 writes   |
| Scan Line Support                       | Up to 128 Objects  |

### MQTT CLIENT FEATURES

|                                |                                    |
|--------------------------------|------------------------------------|
| Operation Mode                 | Amazon Web Services (AWS)          |
| Max Broker Connections         | 1 AWS                              |
| Max Data Points Per Connection | 250 Read Topics, 250 Write Topics  |
| Security                       | SSL certificate based cloud access |
| Supported Data Formats         | JSON                               |
| Data Payload                   | Topic Name and Value               |

### 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 |

### ELECTRICAL/ENVIRONMENTAL

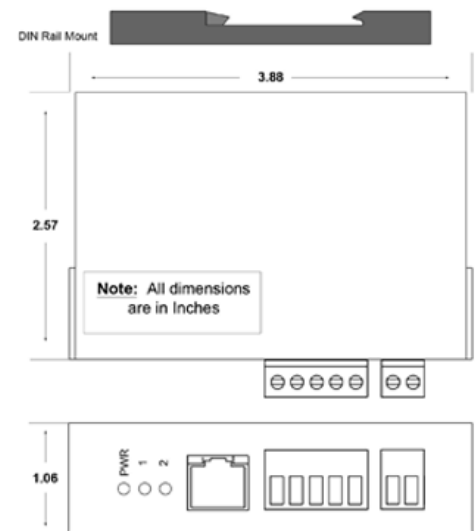
|                       |                                       |
|-----------------------|---------------------------------------|
| DC Input Voltage      | 12-24 VDC                             |
| Maximum Baud Rate     | 115K baud                             |
| Operating Temperature | -40 C to 85 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

|                         |  |
|-------------------------|--|
| Gateway Security        | You can configure up to 9 different users access to diagnostic and configuration screens.  |
| 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?**  
 RTA offers a full line of gateway products. Give us a call at 1-800-249-1612 or visit [www.rtautomation.com](http://www.rtautomation.com). We also offer customizations for unique applications.

| CATALOG #     | DESCRIPTION                                    |
|---------------|--|
| 460BCAWS-NNA4 | BACnet/IP Servers to Amazon Web Services (AWS) |