

BACnet/IP Client to Amazon Web Services (AWS)

FEATURES

- Fully configurable BACnet/IP server
- BACnet/IP supports device, binary I/O, analog I/O, 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 Controllers to AWS IoT Core

The 460BSAWS moves data between a BACnet/IP building automation control system and AWS. Connect your BACnet/IP BMS to the AWS cloud-based platform. Allowing you to easily log data and leverage in populating dashboards. Best of all, the product comes with 5-year warranty.

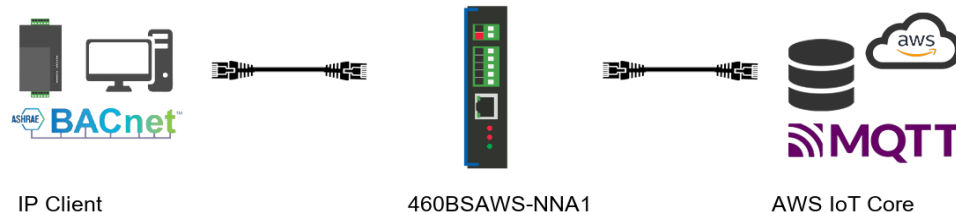
How Do I Use the 460BSAWS-NNA1 in My Application?

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 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.**

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 |

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 |
| 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

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|-------------------------|--|
| 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 |
|---------------|--|
| 460BSAWS-NNA1 | Get your BACnet/IP BMS connected to Amazon Web Services (AWS) IoT Core |



ALWAYS IN STOCK



READY TO SHIP



ENGINEER SUPPORT



5-YEAR WARRANTY



EMPLOYEE OWNED