RTA REAL TIME AUTOMATION®

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

BACnet/IP Servers to MQTT Broker

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

- Bring your factory data to the cloud

- Supports up to 3 MQTT broker connections

- 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 an MQTT Broker

The 460BCQT moves data between up to 32 BACnet/IP devices and an MQTT broker. Connect your BACnet/IP devices to generic cloud-based MQTT platforms. Allowing you to easily log data and leverage in populating dashboards. The 460BCQT delivers BACnet analog and binary data to MQTT topics in a JSON format. Best of all, the product comes with 5-year warranty.

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

Analog and binary BACnet data values become topics published or subscribed to in an MQTT broker.
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.

IP Servers   460BCQT-NNA4   Broker Devices

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.**

Specification

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	Generic MQTT, Amazon Web Services (AWS)
Max Broker Connections	Up to 3 Generic MQTT Connections or 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

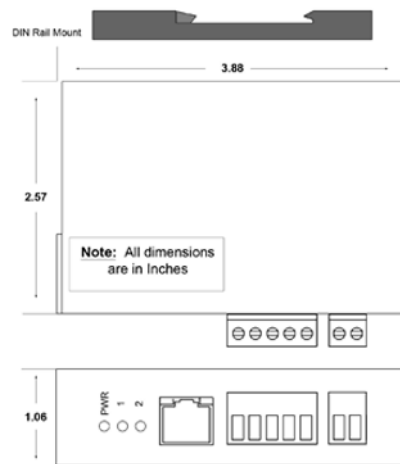|	
3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support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

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.

DIN Rail Mount

3.88

2.57

Note: All dimensions are in Inches

1.06   PWR   1 2

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
460BCQT-NNA4	Connect up to 32 BACnet/IP server devices to an MQTT broker

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

Real Time Automation, Inc.   solutions@rtautomation.com   1-800-249-1612