

## OPC UA Connection to MQTT Cloud Broker

### FEATURES

- Fully configurable OPC UA server
- Up to 10 read and write groups with up to 200 nodes per group
- 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 your OPC UA clients to a Cloud-Based Application via MQTT

The 460USQT moves data between an OPC UA client and an MQTT platform. Allowing you to easily log data and leverage in populating dashboards. Best of all, the product is made in the USA and comes with 5-year warranty.

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

OPC UA data is mapped directly to and from topics in an MQTT broker. That gateway will act as a standard OPC UA device to your PLC. 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.



Client

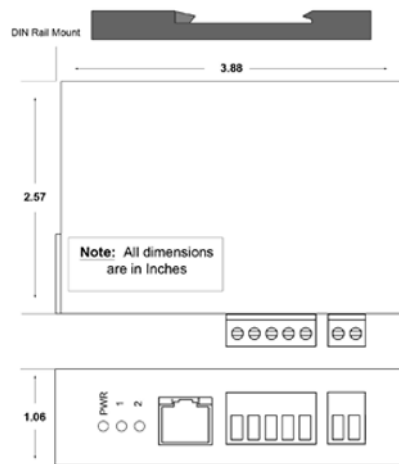
460USQT-NNA4

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.**

OPCUA SERVER FEATURES	
Operation Mode	OPC UA Server
Simultaneous Connections Supported	3
Max number of Input Nodes per Node Type	200
Max number of Output Nodes per Node Type	200
Array Support	Boolean, 64 Bit Integer, 64 Bit Unsigned Int and 64 bit Float
Profiles Supported	UA 1.03 Micro Embedded Server and Data Access
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.



**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](http://www.rtautomation.com/products). We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460USQT-NNA4	Connect up to three OPC Clients to an MQTT Broker



ALWAYS IN STOCK



READY TO SHIP



MADE IN THE USA



EXPERT SUPPORT



5-YEAR WARRANTY



EMPLOYEE OWNED