

## Modbus TCP Client to MQTT Broker

### FEATURES

- Fully configurable Modbus TCP/IP server
- Move up to 100 groups of 512 contiguous coils or 512 contiguous registers to or from your Modbus TCP/IP client
- 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

### Bridge a Modbus TCP Controller to an MQTT Cloud-Based Platform

The 460MSQT moves data between a Modbus TCP client device and an MQTT cloud-based platform. Allowing you to easily log data and leverage in populating dashboards.

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

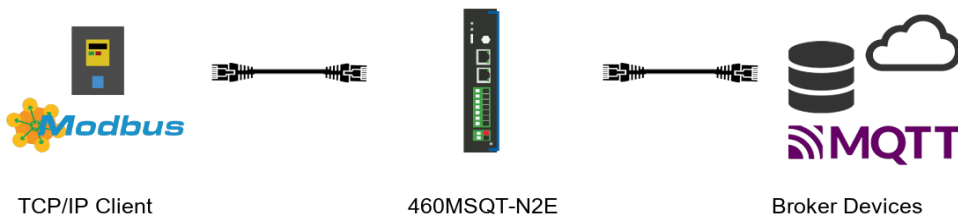
### How Do I Use the 460MSQT-N2E in My Application?

Modbus register and coil data is mapped to and from topics 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.



**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.**

**MODBUS TCP SERVER FEATURES**

Operation Mode	Modbus TCP/IP Server
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus TCP/IP Client Connections	10
Contiguous Data Areas	200 Total - 100 reads & 100 writes
Data Area Limits	512 Contiguous Coils or 512 Contiguous Registers

**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, Class I Div 2

**ENCLOSURE / HARDWARE**

Size	5.40" x 3.83" x 1.19"
Weight	7.6 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
460MSQT-N2E	Easily and securely connect Modbus TCP client device to an MQTT broker

