

## Modbus RTU Master to MQTT

### FEATURES

- Fully configurable Modbus RTU slave
- Move up to 100 groups of 512 contiguous coils or 512 contiguous registers to or from your Modbus RTU master
- Bring your factory data to the cloud
- Support for MQTT, AWS and Azure
- Effortless Browser Based Configuration, no programming software is required
- Simple data translation allows you to manipulate data as it passes between protocols
- Guaranteed Stock
- 5-Year Hardware Warranty

### Connect a Modbus RTU Master to a Cloud-Based Application via MQTT

The 460MRSQT moves data between a Modbus RTU slave device and an MQTT application, AWS or Azure. Use the data to easily log data, build a dashboard or create a sophisticated alarm system.

Best of all, the product is made in the USA, always in stock, and comes with 5-year warranty.

### How Do I Use the 460MRSQT-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.**

<b>Modbus RTU Slave</b>	
Operation Mode	Modbus RTU Slave
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus RTU Master Connections	1
Contiguous Data Areas	200 Total - 100 reads & 100 writes
Data Area Limits	512 Contiguous Coils or 512 Contiguous Registers
<b>MQTT</b>	
Operation Mode	Generic MQTT, Amazon Web Services (AWS), Microsoft Azure
Max Broker Connections	Up to 3 Generic MQTT Connections, 1 AWS, 1 Azure
Max Data Points Per Connection	1000 Read and 1000 Write Topics
Security	SSL certificate based cloud access
Supported Data Formats	JSON
Data Payload	Topic Name and Value
<b>INCLUDED WITH GATEWAY</b>	
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	

<b>ELECTRICAL / ENVIRONMENTAL</b>	
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
<b>ENCLOSURE / HARDWARE</b>	
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
<b>GATEWAY FEATURES &amp; FUNCTIONS</b>	
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
460MRSQT-N2E	Easily and securely connect a Modbus RTU master device to cloud applications



Made in the  
**U.S.A.** 

Always In  
**Stock** 

Ready to  
**Ship** 

Expert  
**Support** 