## Modbus RTU/ASCII Data

### FEATURES:

- *Fully configurable Modbus RTU Master*

- *Connects up to 32 Modbus RTU Slaves*

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- *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*

- *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*

## Manipulate Modbus RTU Slave Data Moving to a Modbus RTU Master

The 460MMMRS moves data between up to 32 Modbus RTU/ASCII Slave and a Modbus RTU/ASCII Master. This is the perfect tool to connect more than 32 slave devices to a master, add scaling or move data between Modbus RTU and Modbus ASCII devices.

With the 460MMMRS Register and Coil data can freely move between any devices connected to the gateway.

### How do I use 460MMMRS-N2E in my application?

The 460MMMRS is designed for those times when you have to manipulate your data, slow down the flow of data, allow a Master to handle more Slaves than it supports or Move data from Modbus ASCII to Modbus RTU.

It really is that simple.

### 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.

Try the RTA difference today.

**Always in Stock - Five Year Warranty - Made in the USA - Industry Leading Support**

### A Gateway, A Philosophy, My Company

*"I remember my days as a controls engineer. I remember the pressure to keep the line running and product flowing. The endless headaches and stress that came every time I had to install a new gateway. If I never saw another hundred-page manual or had to deal with fifty features I didn't need it would be too soon. I knew there had to be a better way. That's how Real Time Automation was formed. I found the best engineers and gave them one task. I asked them to make solutions so easy to use the hardest part would be opening the box. It has been twenty years now and we still strive for that same goal every day."*

*John Rinaldi*

## Modbus RTU Master FEATURES

| | |
|---|---|
| Operation Mode | Modbus RTU Master |
| Function Codes Supported | 1,2,3,4,5,6,15 & 16 |
| Swapping | Byte and Word Swapping |
| Maximum Modbus RTU Slave Devices | 32 |
| Number Read/Write Scan Lines per RTU Slave Device | 200 Total - 100 reads & 100 writes |
| Scan Line Support | Up to 125 Registers or 512 Coils |

## Modbus RTU Slave FEATURES

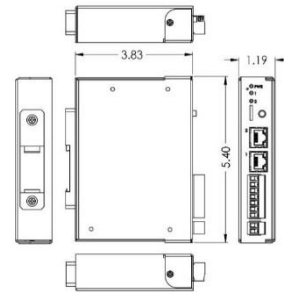| | |
|---|---|
| Operation Mode | Modbus RTU Slave |
| Function Codes Supported | 1,2,3,4,5,6,15 & 16 |
| Swapping | Byte and Word Swapping |
| Maximum Modbus RTU Master Connections | 1 |
| Contiguous Data Areas | 200 Total - 100 reads & 100 writes |
| Data Area Limits | 512 Contiguous Coils or 512 Contiguous Registers |

## 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 | CE Approvals |

## 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 gateways 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. |

## DIMENSIONS



### NOT EXACTLY WHAT YOU WERE LOOKING FOR?

Real Time Automation offers a full line of gateway products. If this is not the one you were looking for, give us a call at 1-800-249-1612. Or, check out a listing at www.rtaautomation.com/products. We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

| CATALOG # | DESCRIPTION |
|---|---|
| 460MMMRS-N2E | Connects up to 32 Modbus RTU Slaves with a Modbus RTU Master |

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