

Modbus RTU Client to OPC UA

FEATURES

- Fully configurable Modbus RTU Server
- Move up to 100 groups of 512 contiguous coils or 512 contiguous registers to or from your Modbus RTU Client
- Fully configurable OPC UA server
- Up to 10 read and write groups with up to 200 nodes per group
- 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 a Modbus RTU Client to OPC UA

The 460MRSUS connects a Modbus RTU Client device with up to three OPC UA clients.

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

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

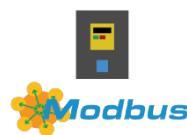
Modbus RTU register and coil data is mapped to OPC nodes. The data moves bidirectionally.

It's really that simple to convert data to the information systems you need to monitor your application.

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.



RTU Clients



460MRSUS-N2E



Client

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 RTU SERVER FEATURES

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

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 |

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

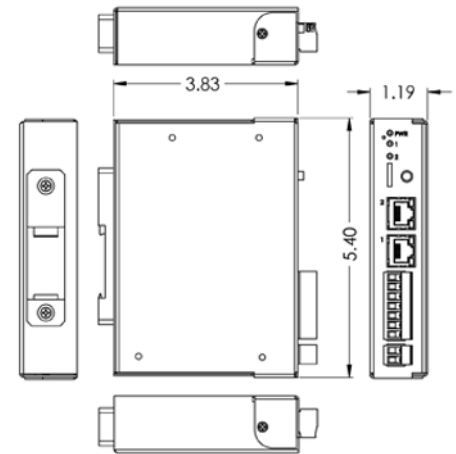
| | |
|-----------------------|--|
| DC Input Voltage | 12-24 VDC |
| Maximum Baud Rate | 115K baud |
| Operating Temperature | -40 C to 85 C |
| Certification | RoHS-Compliant, UL, CUL, CE Approvals, Class I Div 2 |

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

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|-------------------------|--|
| 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. We also offer customizations for unique applications.

| CATALOG # | DESCRIPTION |
|--------------|--|
| 460MRSUS-N2E | Connect a Modbus RTU Client device to OPC UA |

