

## Modbus RTU to PROFINET IO

### FEATURES

- Fully Configurable Profinet device
- Supports up to 1280 Bytes of data in each direction on Profinet IO
- Fully configurable Modbus RTU Master
- Connects up to 32 Modbus RTU Slaves
- 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

### Get Your Modbus RTU Slave Devices Connected to a PROFINET IO Controller

The 460PSMM moves data between up to 32 Modbus RTU slave devices and a PROFINET IO controller like a S7. It's the perfect tool to tie legacy or cost effective Modbus RTU devices into your PROFINET architectures.

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

### How do I use the 460PSMM-N700 in my application?

Modbus RTU register and coil data will be mapped from your slave devices into 10 PROFINET IO slots. Each Slot will be assigned a type and consist of up to 128 bytes of data from any of your Modbus RTU slave devices.

When writing from your PROFINET IO controller to your Modbus RTU devices, there will be up to 10 slots each defined by the same types. Data in those slots can be mapped to registers and coils in any Modbus RTU slave.

### 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! Call us at 800-249-1612 or check out our solutions at [rtautomation.com](http://rtautomation.com)**



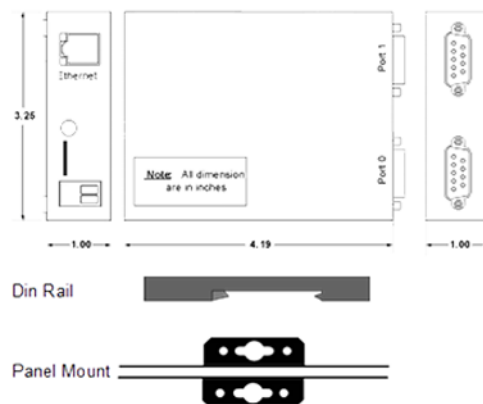
**A Solution, A Philosophy, the RTA Way.** We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That's how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support 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.**

| Profinet IO Server FEATURES   |  |
|---|--|
| Maximum Number of Slots   | 10 Slots in, 10 Slots out  |
| Slot Data Segment Sizes   | 248  |
| Each Slot Can be Defined for a Single Data Type of                  | Int8, int16, int32, int64, UInt8, UInt16, UInt32, UInt64, float, double, binary8, binary16 or binary32, Short String |
| Total Data Supported in Each Direction                              | 1280 Bytes   |
| Maximum Profinet IO Controller Connections                          | 1  |
| String Support  | 1 string per slot  |
| 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   |
| 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                 | 4.19" x 3.25" x 1"                                      |
| Weight               | 6.5 oz  |
| Enclosure Type       | Anodized Aluminum                                       |
| Mounting             | Din rail or panel mount                                 |
| LEDs                 | Power LED, Ethernet link/data LED, & Ethernet speed LED |

| 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   |
|--------------|---|
| 460PSMM-N700 | Connects a PROFINET IO controller with up to 32 Modbus RTU slaves |



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

Always In  
**Stock**

Ready to  
**Ship**

Expert  
**Support**