



REAL TIME AUTOMATION GATEWAY

460MRSPBS-NNPB

# MODBUS RTU TO PROFIBUS DP

## KEY 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 PROFIBUS slave
- ▶ Supports 244 bytes of data in each direction on PROFIBUS DP
- ▶ 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

## Get Your Modbus RTU Client Device Connected to a PROFIBUS DP Controller

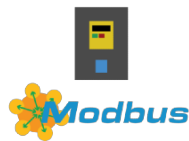
The 460MRSPBS moves data between a Modbus RTU Client device and a PROFIBUS controller device.

With the 460MRSPBS, you are making a direct connection between Modbus RTU Client data and user-defined slots in your PROFIBUS device.

## How Do I Use the 460MRSPBS In My Application?

Modbus RTU register and coil data will be mapped into 10 PROFIBUS DP slots. The slots will be assigned a typed of Int8, int16, int32, int64, UInt8, UInt16, UInt32, UInt64, float, double, binary8, binary16, or binary32.

When writing from your PROFIBUS controller to your Modbus RTU device, the data in the slots can be mapped to registers and coils in the Modbus RTU Client.



RTU Clients



460MRSPBS-NNPB



Master

## Why Use RTA As Your Gateway Supplier?

We are dedicated to being your trusted partner. 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 comes from technical experts who know the product inside and out.



ALWAYS IN STOCK



READY TO SHIP



BREWED IN WISCONSIN



EXPERT SUPPORT



5-YEAR WARRANTY



PROTOCOL PARTNER



### 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

### PROFIBUS SLAVE FEATURES

Maximum Number of Slots	10 Slots in, 10 Slots out
Slot Data Segment Sizes	2, 4, 8, 16, 24, 32 Bytes
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	244 Bytes in each direction
Maximum Profibus DP Controller Connections	1
Baud Rates Supported	Autobaud (9600, 19.2K, 45.45K, 93.75K, 187.5K, 500K, 1.5M, 3M, 6M, 12M bits per second)

### 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

### ELECTRICAL/ENVIRONMENTAL

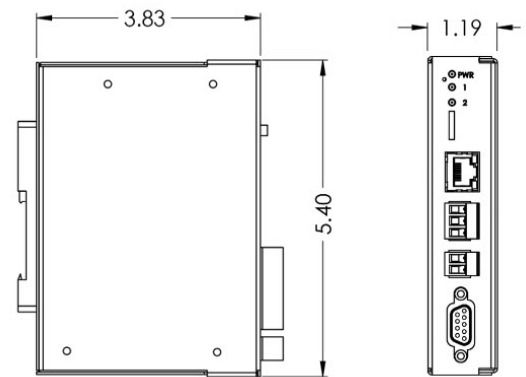
DC Input Voltage	12-24 VDC
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	CE Approvals

### 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

Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.
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?**  
 RTA offers a full line of gateway products. Give us a call at 1-800-249-1612 or visit [www.rtautomation.com](http://www.rtautomation.com). We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460MRSPBS-NNPB	Modbus RTU to PROFIBUS DP