RTA
REAL TIME AUTOMATION®

CONTACT US!
1-800-249-1612
rtautomation.com

Real Time Automation Gateways

460MMPBS-NNPB

Modbus RTU to PROFIBUS DP

FEATURES

- Fully configurable Modbus RTU Client

- Connects up to 32 Modbus RTU Servers

- 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 Server Devices Connected to a PROFIBUS DP PLC

The 460MMPBS moves data between up to 32 Modbus RTU Server devices and a PROFIBUS DP-enabled PLC. With the 460MMPBS, you are making a direct connection between Modbus RTU Server data and user-defined slots in your PROFIBUS DP PLC.
Best of all, the product is made in the USA and comes with 5-year warranty.

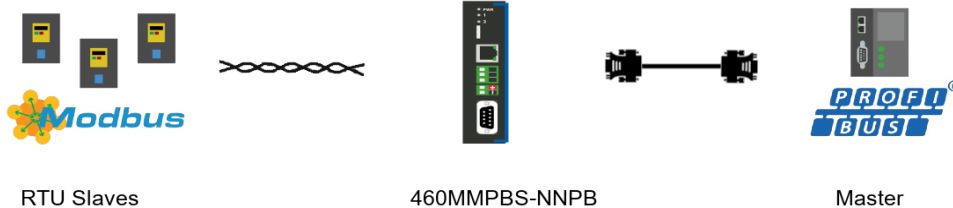### How Do I Use the 460MMPBS-NNPB in My Application?

Modbus RTU Server register and oil 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 DP master to your Modbus RTU devices, the data in the slots can be mapped to registers and coils in any Modbus RTU Server.

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 Slaves   460MMPBS-NNPB   Master

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 CLIENT 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

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

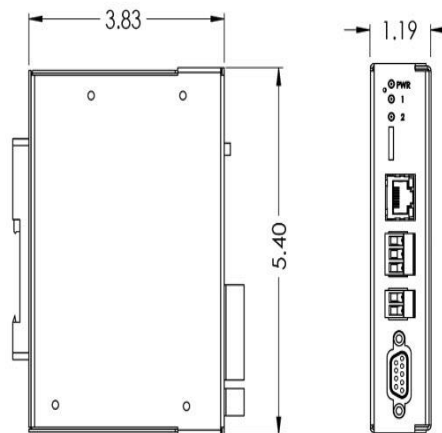|	
3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support staff
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 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
460MMPBS-NNPB	Connects up to 32 Modbus RTU Servers with a PROFIBUS DP controller

ALWAYS IN STOCK   READY TO SHIP   MADE IN THE USA   EXPERT SUPPORT   5-YEAR WARRANTY   EMPLOYEE OWNED

Real Time Automation, Inc.   solutions@rtautomation.com   1-800-249-1612