

## PROFIBUS Master to ASCII

### FEATURES

- Fully configurable PROFIBUS slave
- Supports 244 bytes of data in each direction on PROFIBUS DP
- Parse ASCII/HEX data in up to 50 segments by delimiter or offset
- Concatenate up to 50 data segments into a string
- 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

### Deliver Data from Your PROFIBUS Master to an ASCII-Based System or Controller

The 460PBSA moves data between a PROFIBUS master device and serial ASCII. It's a great tool to implement PROFIBUS devices into your PC or embedded applications that support raw ASCII data.

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

Up to 244 bytes of data can be mapped to and from 10 slots in your PROFIBUS master device. The data segments can be converted to an ASCII string and delivered to your ASCII device. Incoming ASCII strings can be parsed and directed to data location.

Need to scale your data or manipulate it with other math functions? The 460PBSA allows you to add scaling to any data, apply simple math operations, add alarming, and control the request speeds of your master device.

### 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.



Master



460PBSA-NNPB



Scanners, Printers,  
and ASCII Devices

**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.**

**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)

**ASCII FEATURES**

Operation Mode	Bidirectional ASCII Transmit and Receive
Maximum Number of Devices Supported	1
Concatenation	Concatenate up to 50 segments data in a delimited ASCII sting
Maximum Number of ASCII Characters Transferred	1024 in each direction
Delimiter Processing	Incoming delimiters can be automatically removed; Outgoing delimiters automatically added if configured
Parsing	Parse string of ASCII data in up to 50 segments by delimiter or offset

**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**

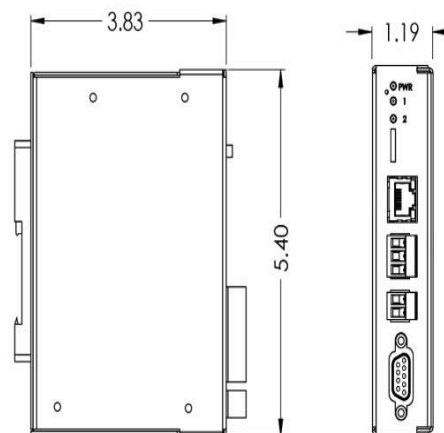
DC Input Voltage	12-24 VDC
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	CE Approvals

**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](http://www.rtautomation.com/products). We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460PBSA-NNPB	Connects a PROFIBUS DP controller with an ASCII device

**ALWAYS IN STOCK****READY TO SHIP****ENGINEER SUPPORT****5-YEAR WARRANTY****EMPLOYEE OWNED**