

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-N70PB 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-N70PB



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

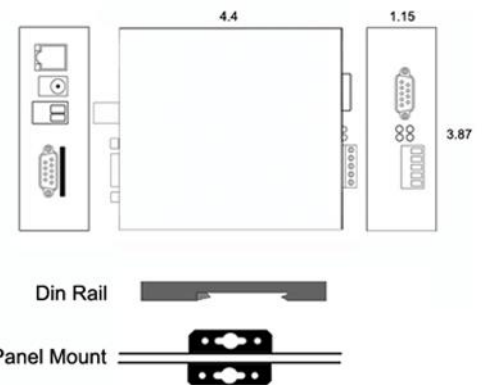
| | |
|-----------------------|---------------------------------------|
| DC Input Voltage | 8 VDC @ 230mA to 28 VDC @ 80 mA |
| Maximum Baud Rate | 115K baud |
| Operating Temperature | -40 C to 85 C |
| Certification | RoHS-Compliant, UL, CUL, CE Approvals |

ENCLOSURE / HARDWARE

| | |
|----------------|---|
| Size | 4.4" x 3.87" x 1.15" |
| Weight | 8.5 oz |
| Enclosure Type | Anodized Aluminum |
| Mounting | Din rail or panel mount |
| LEDs | Ethernet link/data LED, Ethernet speed LED, 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 |
|---------------|--|
| 460PBSA-N70PB | Connects a PROFIBUS DP controller with an ASCII device |

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