## CONTACT US!

1-800-249-1612 rtautomation.com

# **Real Time Automation Gateways**

## **460PSA-NNA1**

### **ASCII to PROFINET IO Gateway**

#### **FEATURES**

- Fully configurable PROFINET device
- Supports up to 1280 bytes of data in each direction on PROFINET
- Parse ASCII 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
- Guaranteed Stock
- 5-Year Hardware Warranty

# **Get Your ASCII Devices Connected Directly to the Data Table of Your PLC over PROFINET IO**

The 460PSA moves data between an ASCII RS232, RS422 or RS485 device and your PROFINET IO controller.

With the 460PSA, you now have a solution to get ASCII barcode readers, ASCII weigh scales, ASCII printers, and other ASCII devices connected to your PROFINET IO controller.

### How Do I Use the 460PSA-NNA1 in My Application?

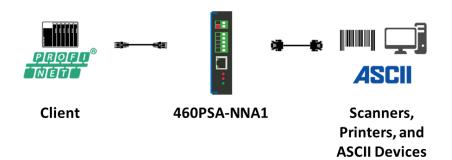
Incoming ASCII data is mapped to a series of ten 128-byte input slots on the PROFINET. Outgoing ASCII data is mapped from a series of ten 128-byte output slots on the PROFINET IO network.

If your device uses delimiters, the 460PSA can be configured to automatically remove the delimiters on incoming messages and add delimiters back in on outgoing messages. No need to deal with the delimiters in your controller.

### 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.



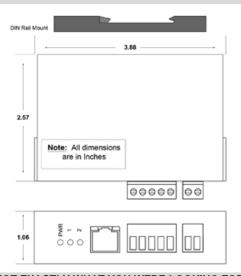
A Solution, A Philosophy, the RTA Way. We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That's how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support second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

**ELECTRICAL / ENVIRONMENTAL** 

# **Specification**

Profinet IO Server		
Maximum Number of Slots	10 Slots in, 10 Slots out	
Slot Data Segment Sizes	8, 16, 32, 64 or 128 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 in Each Direction	1280 Bytes	
Maximum Profinet IO Controller Connections	1	
String Support	1 string per slot	
ASCII		
Operation Mode	Bidirectional ASCII Transmit and Receive	
Maximum Number of Devices Supported	2	
Concatenation	Concatenate up to 50 segments data in a delimeted 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	RoHS-Compliant, UL, CUL, CE Approvals
ENCLOSURE / HARDWARE	
Size	3.88" x 2.57" x 1.06"
Weight	5.5 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	Power LED & 2 general purpose LEDs on side
<b>GATEWAY FEATURES &amp; FUNCTIO</b>	INS
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 <a href="https://www.rtautomation.com/products">www.rtautomation.com/products</a>. We also offer customizations for unique applications.

	CATALOG #	DESCRIPTION
	460PSA-NNA1	Connects a PROFINET IO controller with one ASCII device



Made in the

U.S.A.



Always In

Stock





