ASCII to Allen-Bradley PLC Gateway

FEATURES

- Support for All Allen-Bradley PLCs

- Supports up to 4096 characters

- No Scan lists or IO trees to deal with

- Transfer Data Independently to and from Either Serial Port

- Separate Read and Write Tags/Registers for Each Serial Port

- Simple, Browser-Based Configuration

- Support for Connected and Unconnected Messaging

- Ability to Save Configurations for Backup or Loading Multiple Units

- Works with a NetENI module on legacy PLC applications

- Amazing Diagnostics and trouble shooting tools

The Easiest Way to IntegrateASCII Devices into an Allen-Bradley PLC

You have just found the easiest way to move ASCII serial data into a MicroLogix, ControlLogix, CompactLogix, PLC-5, and SLC5/05 Allen-Bradley PLC.

Sure lots of companies offers ASCII to EtherNet/IP gateways, but nobody offers one quite like this.

How Do I Use the 435NBX-NNA1 in My Application?

The 435NBX is an ASCII to PLC gateway that writes ASCII serial data directly to and from the data tables of your Allen-Bradley PLC. It's simple in function and easy to use by design.

If you don't agree this is the easiest and quickest way to move ASCII data into an Allen-Bradley PLC, we will buy the unit back.

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.
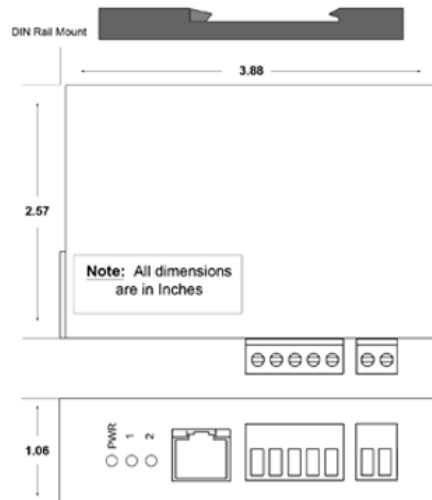
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.

ASCII
Scanners, Printers, and ASCII Devices

435NBX-NNA1

Allen-Bradley
PLCs

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.**

ASCII

Maximum Number of ASCII devices	3
Wide Characters	Add Padding on Outgoing
Serial Communications Port 1	RS-232, RS-485, RS-422
Serial Communications Port 2	RS-232
Message Queue Size	Configurable, 0-20 messages

EtherNet/IP Tag Client

PLC Support	ControlLogix, CompactLogix, FlexLogix, MicroLogix, SLCs and PLC5Es
Maximum Number of PLCs Supported	1
Messaging Operation	Connected or Unconnected
Net ENI Support	Supported

CONFIGURABLE PARAMETERS

Max Buffer Transmit Length	-For Compactlogix,Controllogix, and Flexlogix, the range for each data type is String/INT/SINT: 0 to 4096 characters.-For Micrologix , PLC5E, and SLC, the range for each data type is String: 0 to 82 characters, INT: 0-200 characters, SINT: not used
Receive Characters Timeout	This timeout value is the time between the last character received by the 435NBX and the time the next characters is received. The Timeout value : 0 to 30000 ms (0 to disable)
Tag Names	-For Compactlogix,Controllogix, and Flexlogix, any name will suffice.-For Micrologix , PLC5E, and SLC : STRING (ST10:0) or INT (N7:0) for instance.
Delimiters for Start/ End	Start/End Count 0-2 (0=disable) being used. 1 Delimiter and 2 Delimiter messages detected when specific starting and ending characters are detected.

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	5.5oz.
Enclosure Type	Anodized Aluminum
Mounting	Din Rail or Panel Mount
LEDs	Ethernet Link/Data LED, Ethernet Speed LED, Power LED, 1 Comm LED & 2 USB LEDs

INCLUDED WITH GATEWAY

3' Power Cable with Flying leads	Manual
Complete, Unlimited Access to our Industry Leading Support Staff.	5 Year Hardware Warranty
IPSetup software – Automatically locates RTA Gateway on the network	Unlimited Firmware Feature Upgrades for Life
CAT5 Cross over cable for direct connection to PC during programming	

DIN Rail Mount

3.88

2.57

Note: All dimensions are in Inches

1.06

PWR 1 2

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
435NBX-NNA1	ASCII to Allen-Bradley PLC Gateway

FIVE YEAR 5 WARRANTY

Made in the
U.S.A.

Always In
Stock

Ready to
Ship

Expert
Support

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