

ASCII to Allen-Bradley PLC Gateway

FEATURES

- Support for All Allen-Bradley PLCs
- Supports up to 4094 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 Integrate ASCII 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.

The 435NBX This 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.

Upgrade Networks and Keep Your Legacy Hardware

Even though Ethernet is the standard, there is still an awful lot of ASCII data out there. There are plenty of perfectly good scales, barcode readers, RFID devices and a multitude of other units that generate ASCII data. This is equipment that you've used for a long time. You know how to set it up, how to make it work and that it's reliable. Plus, you can probably get it at a really good price since it doesn't have all the fancy features of the new models. With the 435NBX you can keep your old beloved ASCII devices and quickly integrate their data into your Allen-Bradley PLC.

What, exactly, makes our Gateways the best around?

Our gateways feature simultaneous dual port functionality. This allows you to connect two ASCII devices to a PLC with just one gateway. This may seem like a hassle to program, but it is surprisingly simple.

In fact, there is no Ladder Logic to program at all. Define one tag for us to write data to and one for us to monitor for sending back to the ASCII device and your done. It's that simple.

Always Stock - Five Year Warranty - Made in the USA - Industry Leading Support

A Gateway, A Philosophy, My Company

"I remember my days as an engineer in the factory. I remember the pressure to keep the line running and product flowing. The endless headaches and stress that came every time I had to install a new gateway. If I never saw another hundred page manual or had to deal with fifty features I didn't need it would be too soon. I knew there had to be a better way. That's how Real Time Automation was formed. I found the best engineers and gave them one task. I asked them to make solutions so easy to use the hardest part would be opening the box. It has been twenty years now and we still strive for that same goal everyday."

John Rinaldi



ASCII FEATURES

Maximum Number of ASCII devices	2
Wide Characters	Add Padding on Outgoing
Serial Communications Port 0	RS232, RS485, RS422
Serial Communications Port 1	RS232
Message Queue Size	Configurable, 0-20 messages

ETHERNET/IP TAG CLIENT FEATURES

PLC Support	ControlLogix, CompactLogix, FlexLogix, MicroLogix, SLC's and PLC5E's
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

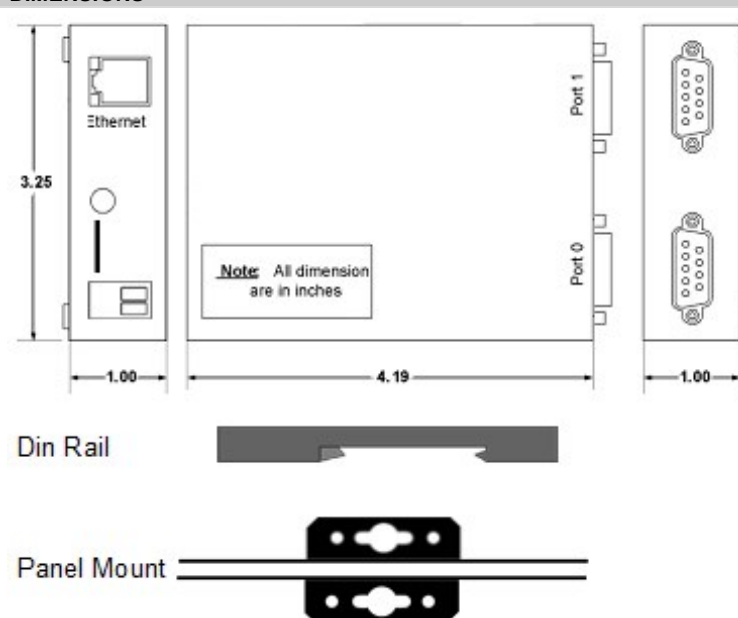
ENCLOSURE / HARDWARE

Size	4.2" x 3.25" x 1"
Weight	5 oz.
Enclosure Type	Anodized Aluminum
Mounting	Din Rail or Panel Mount
LEDs	Ethernet Link/Data LED, Ethernet Speed LED, Power LED

INCLUDED WITH GATEWAY

6' Power Cable with Flying leads	Manual
6' Null Modem Cable	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	Complete, Unlimited Access to our Industry Leading Support Staff

DIMENSIONS



NOT EXACTLY WHAT YOU WERE LOOKING FOR?

Real Time Automation offers a full line of gateway products. If this isn't the one you were looking for, give us a call at 1-800-249-1612 or check out a listing at www.rtaautomation.com/products. We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

CATALOG #	DESCRIPTION
435NBX-N700-D	ASCII to Allen-Bradley PLC Gateway - Din Rail Mounted
435NBX-N700-P	ASCII to Allen-Bradley PLC Gateway - Panel Mounted
435NBX-N700-W	ASCII to Allen-Bradley PLC Gateway - Desk Mounted with Wall Wart

Allen-Bradley, ControlLogix, CompactLogix, PLC-5 are registered trademarks of Rockwell Automation, Inc.

