ASCII to Allen-Bradley PLC Gateway

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 you’re done. It’s that simple.

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 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 PLC5’s
- Maximum Number of PLCs Supported: 1
- Messaging Operation: Connected or Unconnected
- Net ENI Support: Supported

CONFIGURABLE PARAMETERS

- Max Buffer Transmit Length
- Receive Characters Timeout
- Tag Names
- Delimiters for Start/End

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

- 3’ Power Cable with Flying leads: Manual
- 6’ Null Modem Cable: 5 Year Hardware Warranty
- IPSSetup 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

CATALOG # | DESCRIPTION
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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

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.