



REAL TIME AUTOMATION GATEWAY

435NBX - S2E

SERIAL ASCII TO/FROM ALLEN-BRADLEY PLC GATEWAY

KEY 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 the serial port
- ▶ Separate read and write tags/registers for the serial port
- ▶ Simple, browser-based configuration
- ▶ Works with a NetENI module on legacy PLC applications
- ▶ 5-year hardware warranty

The Easiest Way to Integrate a Serial ASCII Devices into an Allen-Bradley PLC

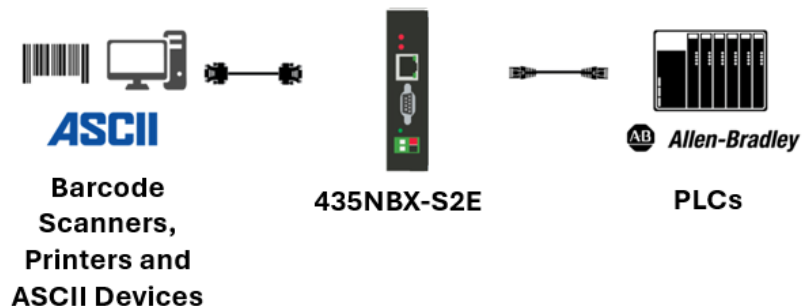
You have just found the easiest way to move serial ASCII data into ControlLogix, CompactLogix, FlexLogix, Micro820, Micro850, Micro870, MicroLogix, PLC-5E and SLC 5/05 Allen-Bradley PLCs.

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

How Do I Use the 435NBX 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 RTA As Your Gateway Supplier?

Other companies might offer protocol gateways, but nobody matches the support and service you'll get from RTA. When you call, a real person picks up the phone. Sales gives you straight answers and solid recommendations. And when you need support, you'll talk to an engineer who helped build the product—no tickets, no waiting, just real help, right away.

ASCII FEATURES

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

ALLEN-BRADLEY PLC FEATURES

PLC Support	ControlLogix, CompactLogix, FlexLogix, Micro820, Micro850, Micro870, MicroLogix, SLC 5/05 and PLC-5E
Maximum Number of PLCs Supported	1
Messaging Operation	Connected or Unconnected
Net ENI Support	Supported

CONFIGURABLE PARAMETERS

Max Buffer Transmit Length (characters)	ControlLogix, CompactLogix and FlexLogix - String/INT/SINT: 0-4096 Micro820, Micro850 and Micro870 - String: 0-200, INT: 0-200, SINT: 0-400 MicroLogix, SLC 5/05 and PLC-5E - String: 0-82, INT: 0-200, SINT: not used
Receive Character Timeout	This timeout value is the time between the last character received by the 435NBX and the time the next character is received. The timeout value: 0-30000 milliseconds (0 to disable)
Tag Names	CompactLogix, ControlLogix, FlexLogix, Micro820, Micro850 and Micro870 - any tag name will suffice MicroLogix, SLC 5/05 and PLC-5E: 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

INCLUDED WITH GATEWAY

3' power cable with flying leads	5-year hardware warranty
Device discovery tool – automatically locates RTA gateways 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

ELECTRICAL / ENVIRONMENTAL

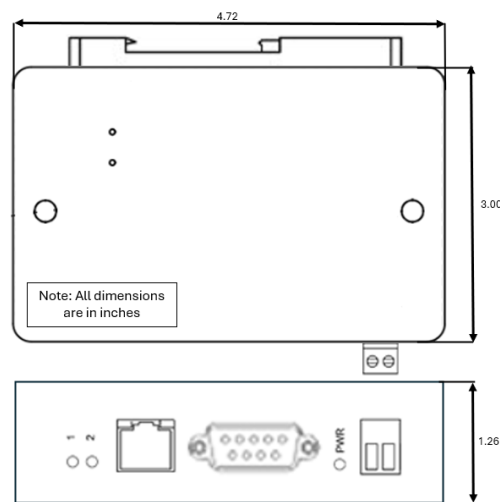
DC Input Voltage	12 VDC @ 156 mA to 24 VDC @ 83 mA
Maximum Baud Rate	115K Baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, CE Approvals

ENCLOSURE / HARDWARE

Size	4.72" x 3.00" x 1.26"
Weight	5.5 oz.
Enclosure Type	Plastic injection molded (PC/ABS)
Mounting	DIN rail or panel mount
LEDs	Power, Ethernet link/data, Ethernet speed and 2 general purpose

GATEWAY FEATURES & FUNCTIONS

Gateway Security	Support for HTTP or HTTPS browser-based configuration. You can configure a username and password for login and logout access to the browser-based configuration.
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	Allow users to see and log start up sequences, protocol specific messages and error messages.



NOT EXACTLY WHAT YOU WERE LOOKING FOR?

RTA offers a full line of gateway products. Give us a call at 800.249.1612 or visit www.rtautomation.com/products. We also offer customizations for unique applications.

CATALOG

DESCRIPTION

435NBX-S2E	Serial ASCII to/from Allen-Bradley PLC Gateway
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ALWAYS IN STOCK



READY TO SHIP



BREWED IN WISCONSIN



EXPERT SUPPORT



5-YEAR WARRANTY



PROTOCOL PARTNER

