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REAL TIME AUTOMATION, INC.
N26W23315 Paul Road, Pewaukee, WI 53072
800.249.1612 | solutions@rtautomation.com



REAL TIME AUTOMATION GATEWAY 435NBX – N700

SERIAL ASCII TO 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 either serial port
- Separate read and write tags/registers for each serial port
- Simple, browser-based configuration
- Support for connected and unconnected messaging
- Works with a NetENI module on legacy PLC applications
- 5-year hardware warranty

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

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

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.



Scanners, Printers, and ASCII Devices | **435NBX-N700** | **PLCs**

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.

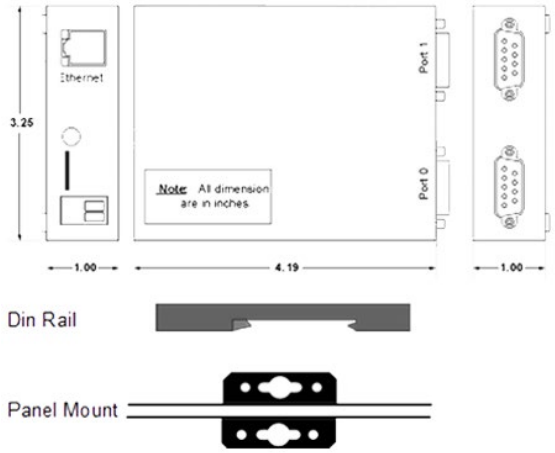
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ASCII FEATURES	
Maximum Number of ASCII devices	2
Wide Characters	Add Padding on Outgoing
Serial Communications Port 0	RS-232, RS-485, RS-422
Serial Communications Port 1	RS-232
Message Queue Size	Configurable, 0-20 messages
ALLEN-BRADLEY PLC FEATURES	
PLC Support	ControlLogix, CompactLogix, FlexLogix, 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	For ControlLogix, CompactLogix and FlexLogix, the range for each data type is String/INT/SINT: 0 to 4096 characters. For MicroLogix, SLC 5/05 and PLC-5E, the range for each data type is String: 0 to 82 characters, INT: 0-200 characters, 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 to 30000 ms (0 to disable)
Tag Names	For CompactLogix, ControlLogix and FlexLogix, any name will suffice. For 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
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

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
GATEWAY FEATURES & FUNCTIONS	
Gateway Security	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	Allows users to see and log start up sequences, protocol specific messages & error messages.



NOT EXACTLY WHAT YOU WERE LOOKING FOR?
RTA offers a full line of gateway products. Give us a call at 1-800-249-1612 or visit www.rtautomation.com/products. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
435NBX-N700	Serial ASCII to Allen-Bradley PLC Gateway

ALWAYS IN STOCK | READY TO SHIP | BREWED IN WISCONSIN | EXPERT SUPPORT | 5-YEAR WARRANTY | PROTOCOL PARTNER

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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