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.

How Do I Use the 435NBX-N700 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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Number of ASCII devices</td>
<td>2</td>
</tr>
<tr>
<td>Wide Characters</td>
<td>Add Padding on Outgoing</td>
</tr>
<tr>
<td>Serial Communications Port 0</td>
<td>RS-232, RS-485, RS-422</td>
</tr>
<tr>
<td>Serial Communications Port 1</td>
<td>RS-232</td>
</tr>
<tr>
<td>Message Queue Size</td>
<td>Configurable, 0-20 messages</td>
</tr>
</tbody>
</table>

### EtherNet/IP Tag Client

- 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**: 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
- 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
- 6' Null Modem Cable

### CATALOG #

<table>
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<tr>
<th>Catalog #</th>
<th>Description</th>
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<tbody>
<tr>
<td>435NBX-N700</td>
<td>ASCII to Allen-Bradley PLC Gateway</td>
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</table>

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**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.