CONTACT US!
1-800-249-1612
rtautomation.com

Real Time Automation Gateways

490NBX-NNA1

Ethernet to Allen-Bradley PLC

The Easiest Way to Integrate Ethernet Data into an Allen-Bradley PLC

The 490NBX can move your data to and from your ASCII Ethernet TCP or UDP devices with only one PLC tag. This means you can have one 490NBX to bridge the gap between your Allen-Bradely PLC and up to 10 ASCII devices with a minimal amount of setup for both the 490NBX and your PLC.

How Do I Use the 490NBX-NNA1 in My Application?

The 490NBX will reach out and initiate the communication to your PLC. This means you will not need to setup anything in your PLC’s IO tree and can access your tags directly. You only need three items to establish a connection to your Allen-Bradley PLC; the IP address, your PLC type, and a PLC tag name.

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.

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**
- Maximum Number of ASCII devices: 10
- Wide Characters: Add Padding on Outgoing
- Communications: Ethernet TCP/IP UDP/IP
- Message Queue Size: Configurable, 0-20 messages

**EtherNet/IP Tag Client**
- PLC Support: 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 to 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 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, 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: 3.88" x 2.57" x 1.06"
- Weight: 5.5oz.
- 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
- 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

**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.

**CATALOG # | DESCRIPTION**
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490NBX-NNA1 | TCP/IP and UDP/IP to Allen-Bradley PLC Gateway