REAL TIME AUTOMATION, INC.
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REAL TIME AUTOMATION GATEWAY 435USB – NNDU

USB TO/FROM ALLEN-BRADLEY PLC GATEWAY

KEY FEATURES

- Support for all Allen-Bradley PLCs
- Plug-and-play support for HID scanner or printer class device
- Supports all your 1D and 2D barcode readers
- Supports up to 4096 characters
- No scan lists or IO trees to deal with
- Automatic USB device detection & status reporting
- Support for connected and unconnected messaging
- Works with a NET-ENI module on legacy PLC applications
- 5-year hardware warranty

The Easiest Way to Transfer ASCII Data between USB Devices and an Allen-Bradley PLC

You have just found the easiest way to move data between up to two USB devices and an Allen-Bradley ControlLogix, CompactLogix, FlexLogix, MicroLogix, SLC 5/05 or PLC-5E PLC. Effortlessly move data from any USB Human Interface Device (Class 0x03) or Printer device (Class 0x07) like barcode readers, weigh scales, RFID scanners or printers into your A-B PLC's data table. Your barcode reader and printer can communicate through the same gateway.

How Do I Use the 435USB In My Application?

The 435USB is a USB-to-PLC gateway that, in Direct Tag Mode, writes data from USB devices directly into the data table 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.



USB Scanner(s) and/or Printer(s) — **435USB-NNDU** — **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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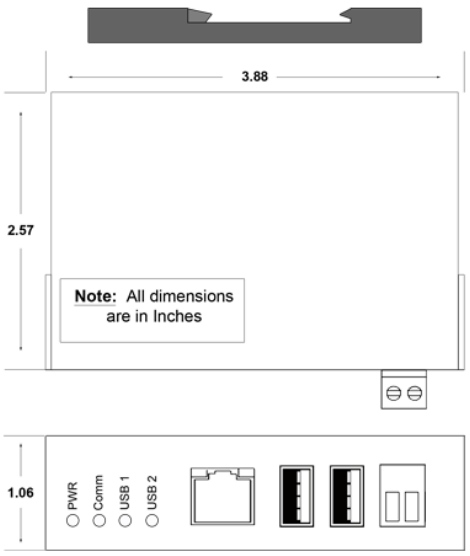
ASCII FEATURES	
USB Ports Supported	2
USB Device Classes Supported	Human Interface Devices (HID) Class 0x03 or Printer Class 0x07
Device Connections & Detection	Automatic, Plug 'n' Play Operation
Maximum Message Transfer	4096 Characters
Power Per USB Port	.5 A per Port
ALLEN-BRADLEY PLC FEATURES	
PLC 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 Characters Timeout	This timeout value is the time between the last character received by the 435USB 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, CE Approvals
ENCLOSURE / HARDWARE	
Size	3.88" x 2.57" x 1.06"
Weight	5.5 oz.
Enclosure Type	Anodized aluminum
Mounting	Din rail or panel mount
LEDs	Power LED, Ethernet link/data LED, Ethernet speed LED, 2 USB LEDs and 1 general purpose LED on side
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 800.249.1612 or visit www.rtautomation.com/products. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
435USB-NNDU	USB Printer(s) and/or Barcode Scanner(s) to/from Allen-Bradley PLC Gateway

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