

The Easiest Way to Transfer Messages Between a USB Device and a PLC

FEATURES

- Supports all AB PLCs
- Plug and Play Support For HID Scanner or Printer Class Device
- Supports All Your 1D and 2D Barcode Readers
- User Selectable EtherNet/IP Adapter or Direct Tag Operating Modes
- Supports up to 1024 Character Messages
- Automatic USB Device Detection & Status Reporting
- Connected and Unconnected Messaging Support
- Works with a NetENI module on Legacy PLC Applications
- Simple, Browser-Based Configuration

USB to Allen-Bradley PLC Gateway

You have just found the easiest way to move data between a USB device and Allen-Bradley PLCs like ControlLogix, CompactLogix, PLC 5s, SLCs and MicroLogix. Effortlessly move data from any USB HID or Printer device like barcode readers, weigh scales, RFID Scanners or printers into your PLCs data table. Sure lots of companies offer gateways for these kinds of devices, but nobody offers one quite like this.

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



Upgrade Networks and Keep Your Legacy Hardware

Even though Ethernet is the standard, there is still an awful lot of ASCII devices and now those devices don't have a serial port—THEY HAVE A USB PORT. These low cost scales, barcode readers, RFID devices and a multitude of other units generate ASCII data that you need in your process. You know how to set them up, how to make them work and that they're reliable. Plus, you can probably get them at a really good price since they don't have all the fancy features of the Ethernet models. With the 435USB you can effortlessly integrate these devices with your Allen-Bradley PLCs.

What, exactly, makes our Gateways the best around?

There is no message instruction or IO tree to deal with. In Direct Tag Mode you simply define one PLC tag for sending and one for receiving and you're done. It's that simple.

Always in Stock - Five Year Warranty - Made in the USA - Industry Leading Support

A Gateway, A Philosophy, My Company

"I remember my days as an engineer in the factory. I remember the pressure to keep the line running and product flowing. The endless headaches and stress that came every time I had to install a new gateway. If I never saw another hundred page manual or had to deal with fifty features I didn't need it would be too soon. I knew there had to be a better way. That's how Real Time Automation was formed. I found the best engineers and gave them one task. I asked them to make solutions so easy to use the hardest part would be opening the box. It has been twenty years now and we still strive for that same goal everyday."

John Rinaldi

USB COMMUNICATIONS	
USB Ports Supported	1 Port —1 Device Maximum
USB Device Classes Supported	Human Interface Devices (HID) or Printer
Device Connection & Detection	Automatic, Plug n Play Operation
Maximum Message Transfer	4096 Characters
USB Message Start/ End Delimiters	Up to two user configurable Start Delimiters, up to two user configurable End Delimiters
Power per USB Port	.5 A per Port

ALLEN-BRADELY PLC COMMUNICATIONS	
PLCs Supported	ControlLogix, CompactLogix, PLC5E, SLC 5/05, MicroLogix, NetENI supported
Maximum Number of PLCs	1
Messaging Support	User Selectable Connected or Unconnected Messaging
Message Transfer Modes	Direct Tag Transfer or EtherNet/IP Adapter Communications
EtherNet/IP Adapter Support	Input Assembly: 100 - 416 bytes; Output Assembly: 112- 416 bytes
Maximum EtherNet/IP Adapter Assembly Size	416 data bytes
IP Addressing	Dynamic (DHCP) or Static

ELECTRICAL/ENVIRONMENTAL	
DC Input Voltage	8 DC @ 230 mA to 28 DC @ 80 mA
Operating Temperature	-40 C to 85 C
Certification	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	Ethernet link/data LED, Ethernet speed LED, power LED, 1 Comm LED & 2 USB LEDS

INCLUDED WITH GATEWAY	
Power Cable w/ flying leads	User 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	

DIMENSIONS

Note: All dimensions are in Inches

PWR
 Comm
 USB 1
 USB 2

NOT EXACTLY WHAT YOU WERE LOOKING FOR?

Real Time Automation offers a full line of gateway products. If this isn't the one you were looking for, give us a call at 1-800-249-1612 or check out a listing at www.rtaautomation.com/products. We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

CATALOG #	DESCRIPTION
435USB-NNAU-D	USB Printer or Barcode Scanner to AB PLC - Din Rail Mounted
435USB-NNAU-W	USB Printer or Barcode Scanner to AB PLC - Wall Wart Power Supply

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