

## The Easiest Way to Transfer ASCII Between a Serial Device and an OPC UA Client

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### FEATURES

- Support All of Your OPC UA Client Enabled Applications
- Supports up to 4096 Characters
- Millisecond Timestamps on All Data
- Transfer Data Independently to and from Either Serial Port
- Supports up to 10 OPC UA Sessions
- OPC UA Password Security
- Simple, Browser-Based Configuration
- Ability to Save Configurations for Backup or Loading Multiple Units
- Amazing Diagnostics and Trouble Shooting Tools
- Static or DHCP Addressing
- NTP, Real Time Clock or User Time Support

You have just found the easiest way to move ASCII serial data between an OPC UA enabled application and a serial device like a printer, barcode reader, weigh scale or RFID Scanner. Sure lots of companies offer ASCII gateways for these kinds of devices, but nobody offers one quite like this.

The 435UA is a bidirectional *ASCII to OPC UA* gateway that moves ASCII serial data between a serial device and any OPC UA Client application. Move label data from your ERP System to an OPC UA Printer. Move barcodes into an Oracle database. Move weigh data into a custom server application. The possibilities are endless.



### Upgrade Networks and Keep Your Legacy Hardware

Even though Ethernet is the standard, there is still an awful lot of ASCII data out there. There are plenty of perfectly good scales, barcode readers, RFID devices and a multitude of other units that generate ASCII data. This is equipment that you've used for a long time. You know how to set it up, how to make it work and that it's reliable. Plus, you can probably get it at a really good price since it doesn't have all the fancy features of the new models. With the 435UA you can keep your old beloved ASCII devices and quickly integrate their data into your manufacturing network or enterprise system.

### What, exactly, makes our Gateways the best around?

Our gateways feature simultaneous dual port functionality. This allows you to connect two ASCII devices to an OPC UA Client with just one gateway. This may seem like a hassle to program, but it is surprisingly simple. In fact, there is very little to configure at all. You'll need to define the OPC UA password, set up some features for your application like whether you want new barcodes to overwrite one that hasn't been read and your 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*

ASCII FEATURES	
Maximum Number of ASCII devices	2
Wide Characters	Add Padding on Outgoing
Serial Communications Port 0	RS232, RS485, RS422
Serial Communications Port 1	RS232
Message Queue Size	Configurable, 0-20 messages

OPC UA SERVER FEATURES	
Specification	Nano Profile, V1.02 Specification
Maximum Number of Sessions Supported	10
Security	Password with support for Anonymous Login
Clock Support	Millisecond Resolution with NTP / Real Time Clock (some hardware models) / Internal Clock

CONFIGURABLE PARAMETERS	
Max Buffer Transmit Length	4096 Characters
Receive Characters Timeout	0 to 30000 ms (0 to disable)
IP Addressing	Dynamic or Static
Delimiters for Start / End	Up to two user configurable Start or End Delimiters

ELECTRICAL/ENVIRONMENTAL	
DC Input Voltage	7-30VDC
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	
Barrel Connector with flying leads	Manual
6' Null Modem Cable	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	Complete, Unlimited Access to our Industry Leading Support Staff

### DIMENSIONS

**Note:** All dimension are in inches

**Din Rail**

**Panel Mount**

### 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](http://www.rtaautomation.com/products). We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

CATALOG #	DESCRIPTION
435UA-D	ASCII to OPC UA Client Gateway - Din Rail Mounted
435UA-P	ASCII to OPC UA Client Gateway - Panel Mounted
435UA-W	ASCII to OPC UA Client Gateway - Desk Mounted with Wall Wart

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