



REAL TIME AUTOMATION GATEWAY

435UA – N700

ASCII TO OPC UA GATEWAY

KEY FEATURES

- ▶ Support all OPC UA client enabled applications
- ▶ Supports up to 4096 characters
- ▶ Millisecond timestamps on all data from NTP or RTC
- ▶ Supports up to 10 OPC UA sessions with password security
- ▶ Ability to save configurations for backup or loading multiple units
- ▶ Static or DHCP addressing
- ▶ Effortless browser-based configuration, no programming software is required
- ▶ Transfer data independently to and from either serial port
- ▶ 5-year hardware warranty

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

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 via OPC UA to a 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.

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 you're done. It's that simple.

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.

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

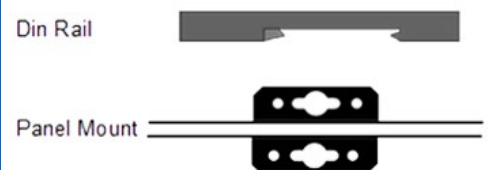
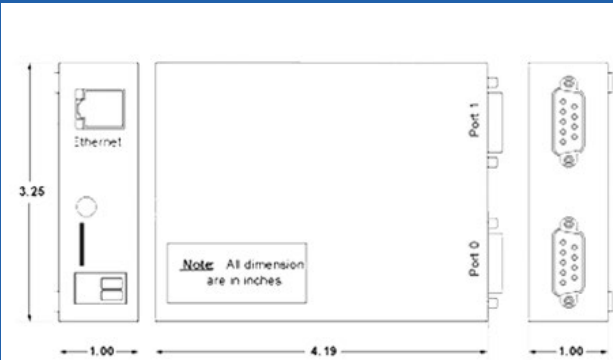
CONFIGURABLE PARAMETERS	
Max Buffer Transmit Length	4096 characters
Receive Characters Timeout	0 to 30000 ms (0 to disable)
IP Addressing	Dynamic or static
Delimiters for Start / End	Up to two user configurable start or end delimiters

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	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

GATEWAY FEATURES & FUNCTIONS	
Gateway Security	You can configure a user with access to diagnostic and configuration screens.
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 and error messages.



NOT EXACTLY WHAT YOU WERE LOOKING FOR?
 RTA offers a full line of gateway products. Give us a call at 1-800-249-1612 or visit www.rtautomation.com/products. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
435UA-N700	Transfer ASCII between a serial device and an OPC UA Client

