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

Modbus RTU Client to ASCII

FEATURES

- Fully configurable Modbus RTU Server

- Move up to 100 groups of 512 contiguous coils or 512 contiguous registers to or from your Modbus RTU Client

- Parse ASCII/HEX data in up to 50 segments by delimiter or offset

- Concatenate up to 50 data segments into a string

- Effortless Browser Based Configuration, no programming software is required

- Simple data translation allows you to manipulate data as it passes between protocols

- 5-Year Hardware Warranty

Deliver Data from Your Modbus RTU Client to an ASCII-Based System or Controller

The 460MRSA moves data between a Modbus RTU Client device and serial ASCII. It's a great tool to connect Modbus RTU controllers into your PC or embedded applications that support serial ASCII data.
Best of all, the product comes with 5-year warranty.

How Do I Use the 460MRSA-N34 in My Application?

Register and coil data from your Modbus RTU Client is concatenated into an ASCII string of data. Data from ASCII device can be parsed into up to 50 segments, assigned a data type and then delivered to a user-defined register and coil locations on Modbus.
Need to scale your data or manipulate it with other math functions? The 460MRSA allows you to add scaling to any data, apply simple math operations, add alarming and control the request speeds of your client device.

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.
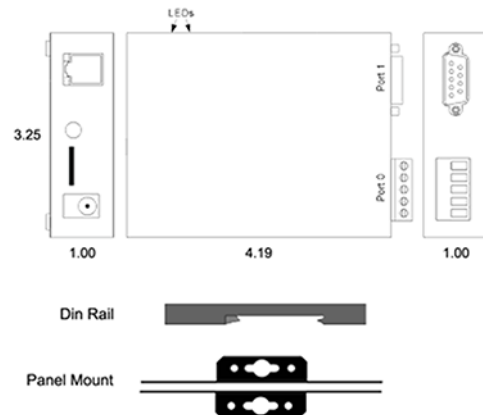

RTU Clients   460MRSA-N34   Scanners, Printers, and ASCII Devices

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.**

MODBUS RTU SERVER FEATURES

Operation Mode	Modbus RTU Server
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus RTU Client Connections	1
Contiguous Data Areas	200 Total - 100 reads & 100 writes
Data Area Limits	512 Contiguous Coils or 512 Contiguous Registers

ASCII FEATURES

Operation Mode	Bidirectional ASCII Transmit and Receive
Maximum Number of Devices Supported	2
Concatenation	Concatenate up to 50 segments data in a delimeted ASCII sting
Maximum Number of ASCII Characters Transferred	1024 in each direction
Delimiter Processing	Incoming delimiters can be automatically removed; Outgoing delimiters automatically added if configured
Parsing	Parse string of ASCII data in up to 50 segments by delimiter or offset

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
Manual	

ELECTRICAL / ENVIRONMENTAL

DC Input Voltage	8 VDC @ 230mA to 28 VDC @ 80 mA
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, CE Approvals, Class I Div 2

ENCLOSURE / HARDWARE

Size	4.2" x 3.25" x 1"
Weight	7 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	Ethernet link/data LED, Ethernet speed LED, power LED, & 2 general purpose LEDs on side

GATEWAY FEATURES & FUNCTIONS

Alarming	Set <, <=, >, >=, ==, !=, and change-of-state rules on any data moving through the gateway. If alarm rule is triggered an email notification can be sent.
Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.
Translation Table	Allows for data manipulation during protocol translation. Scaling and other data format changes can occur in the gateway.
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.

LEDs

Port 1

3.25

Port 0

1.00   4.19   1.00

Din Rail

Panel Mount

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
460MRSA-N34	Connects a Modbus RTU Client with a single ASCII device

ALWAYS IN STOCK

READY TO SHIP

ENGINERD SUPPORT

5-YEAR WARRANTY

EMPLOYEE OWNED