REAL TIME AUTOMATION, INC.
N26W23315 Paul Road, Pewaukee, WI 53072
800.249.1612 | solutions@rtautomation.com

REAL TIME AUTOMATION GATEWAY 460MMA-NNA4

MODBUS RTU SERVERS TO ASCII

KEY FEATURES

- Fully configurable Modbus RTU Client
- Connects up to 32 Modbus RTU Servers
- 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 Modbus RTU Server Devices to an ASCII-Based System or Controller

The 460MMA moves data between up to 32 Modbus RTU Server devices and serial ASCII. It's a great tool to implement Modbus RTU devices into your PC or embedded applications that support raw ASCII data.

Best of all, the product comes with 5-year warranty.

How Do I Use the 460MMA In My Application?

Modbus data segments can be converted to ASCII and concatenated into a string delivered to your ASCII device. If you need to command the Modbus RTU devices, an incoming ASCII string can be parsed and directed to user-defined Modbus data location.

Need to scale your data or manipulate it with other math functions? The 460MMA allows you to add scaling to any data, apply simple math operations, add alarming, and control the request speeds of your server devices.

Why Use RTA As Your Gateway Supplier?

We are dedicated to being your trusted partner. 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 comes from technical experts who know the product inside and out.

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

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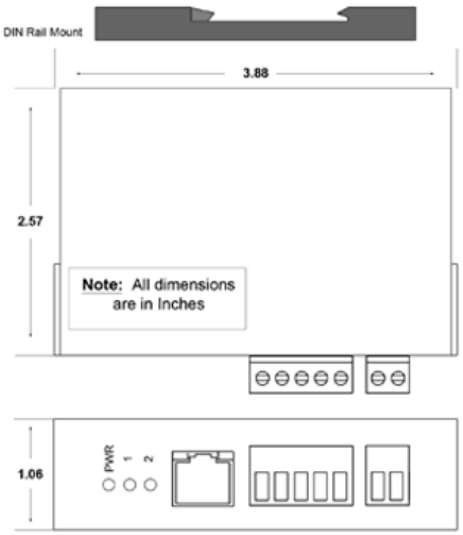
MODBUS RTU CLIENT FEATURES	
Operation Mode	Modbus RTU Client
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus RTU Server Devices	32
Number Read/Write Scan Lines per RTU Server Device	200 Total - 100 reads & 100 writes
Scan Line Support	Up to 125 Registers or 512 Coils
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

ELECTRICAL/ENVIRONMENTAL	
DC Input Voltage	12-24 VDC
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, 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 & 2 general purpose LEDs on side
GATEWAY FEATURES & FUNCTIONS	
Gateway Security	You can configure up to 9 different users 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 & 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. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460MMA-NNA4	Modbus RTU Servers to ASCII