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

REAL TIME AUTOMATION GATEWAY 460ECMRS-NNA1

ETHERNET/IP TO MODBUS RTU SERVER

KEY FEATURES

- Fully configurable EtherNet/IP scanner
- Map data from up to 32 EtherNet/IP Adapters
- 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
- 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

Connect EtherNet/IP Adapter Devices to a Modbus RTU Client

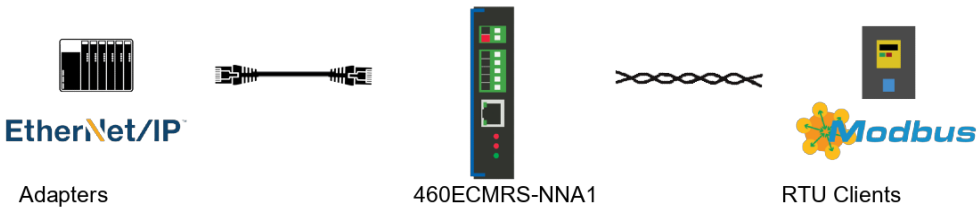
The 460ECMRS moves data between up to 32 EtherNet/IP and a Modbus RTU controller. You now have a great tool to integrate newer EtherNet/IP devices into legacy Modbus RTU systems.

Perfect for interfacing to legacy Modbus controller and a great way to utilize a low cost Modbus logging solution on your EtherNet/IP devices.

How Do I Use the 460ECMRS In My Application?

Up to 496 bytes of EtherNet/IP data can be mapped in each direction from up to 32 devices. Once the data is manually entered for each EtherNet/IP connection, the data is automatically mapped by the gateway to Modbus RTU.

It really is that simple.



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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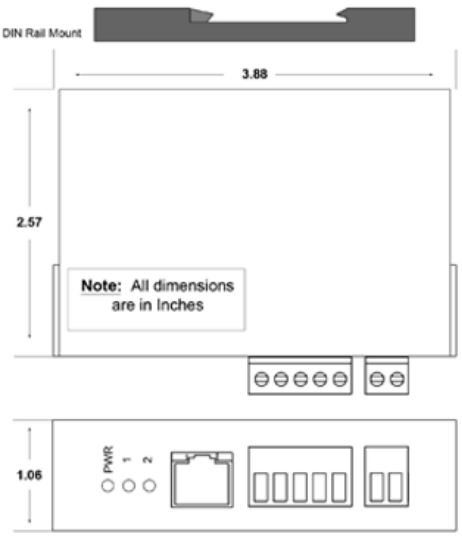
ETHERNET/IP SCANNER FEATURES	
Operation Mode	Class 1 I/O Scanner
Message Support	Implicit Class 1 Cyclic I/O, Explicit not supported
Data Types	BIT8,16 & 32; INT8, 16, 32 & 64; UINT8,16, 32 & 64; Float & Double
Maximum EtherNet/IP Adapter Devices	32
Max Data Per Adapter Connection	Up to 496 bytes in each direction
Maximum IO Scan Rate	50 msec
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

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
460ECMRS-NNA1	EtherNet/IP to Modbus RTU Server