



REAL TIME AUTOMATION GATEWAY

460ECMM-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 Client
- ▶ Connects up to 32 Modbus RTU Servers
- ▶ 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 Modbus RTU Servers

The 460ECMM moves registers and coils between Modbus RTU Server devices and an EtherNet/IP network of adapter devices. It's the perfect tool to tie in all of your EtherNet/IP devices into your Modbus RTU network.

Easily interface existing device networks without having to add a controller.

How Do I Use the 460ECMM In My Application?

For most applications, the mapping is very straightforward. Modbus register and coil data is mapped to up 496 bytes of EtherNet/IP data per adapter. EtherNet/IP IO data is mapped directly to your Modbus RTU Server registers and coils.

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

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 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

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

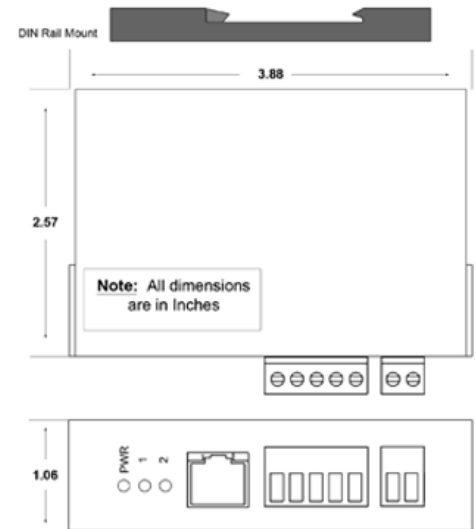
DC Input Voltage	12-24 VDC
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, CE Approvals

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
460ECMM-NNA1	EtherNet/IP to Modbus RTU Server

