



REAL TIME AUTOMATION GATEWAY

460MCTCP-N34

# ETHERNET TCP/IP TO MODBUS TCP/IP SERVER GATEWAY

## KEY FEATURES

- ▶ Fully configurable Modbus TCP/IP Client
- ▶ Connects up to 32 Modbus TCP/IP servers
- ▶ Support up to 10 TCP/IP devices
- ▶ Parse & concatenate ASCII/HEX data in up to 50 segments by delimiter or offset
- ▶ 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

## Get Data from Modbus TCP/IP Servers into Your Ethernet TCP/IP Devices

The 460MCTCP moves data between up to 32 Modbus TCP/IP servers and an Ethernet TCP/IP device. The gateway presents the data as JSON or XML files transferred via HTTP commands. With the 460MCTCP, you have a tool to help you map Modbus TCP/IP device data into an Ethernet TCP/IP application. You can also capture Ethernet TCP/IP commands and write them to your Modbus TCP/IP server devices.

## How Do I Use the 460MCTCP In My Application?

ASCII data is parsed and mapped directly to registers and coils in your Modbus TCP/IP servers. When writing from your Modbus TCP/IP servers, register and coil data will be grouped and delivered as an ASCII string.

It's really that simple. Need to modify your data as it passes from one protocol to the other? No problem. Each data mapping you apply can be modified with up to three mathematic functions. Add 4 to a value, multiply by 4 and divide by 10 with ease.



TCP/IP Servers



460MCTCP-N34



**ASCII**

Scanners, Printers, and ASCII 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

Contact us:



800.249.1612



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### MODBUS TCP CLIENT FEATURES

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

### ETHERNET TCP/IP FEATURES

Operation Mode	Client or Server
Maximum Number of Devices Supported	10
Maximum Number of Characters Transferred	1024
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
Concatenation	Concatenate up to 50 segments/strings of ASCII data with optional delimiter

### 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

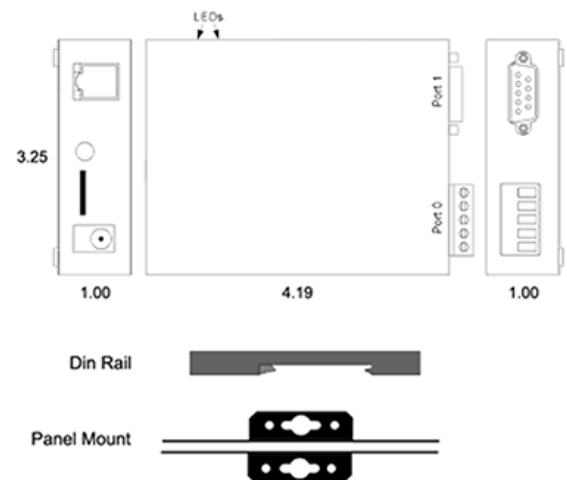
DC Input Voltage	8 VDC @ 230mA to 28 VDC @ 80 mA
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, CE Approvals, Class I Div 2

### 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

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](http://www.rtautomation.com). We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460MCTCP-N34	Ethernet TCP/IP to Modbus TCP/IP Server Gateway