RTA
rtaautomation.com

Contact Us:
1-800-249-1612

Real Time Automation Gateways

460MMTCP-N34

Ethernet TCP/IP to Modbus RTU Slave

FEATURES

- *Perfect for Devices that Output Ethernet TCP/IP Data*

- *Directly Map Ethernet TCP/IP Data to Modbus RTU Registers*

- *Handshaking Protocol Avoids Data Loss*

- *Support for Up To 10 TCP/IP devices and 32 Modbus RTU Slave devices*

- *Modbus RTU Slave Support for Function Code 1,2,3,4,5,6,15 and 16*

- *Effortless Browser Based Configuration, no programming software is required No Programming Required*

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

Get Data from Modbus RTU Slaves into your Ethernet TCP/IP System

The 460MMTCP moves data between up to 32 Modbus RTU Slaves and an Ethernet TCP/IP device. With the 460MMTCP you have a tool to help you map Modbus RTU device data into PC or embedded TCP socket based systems.

Best of all the product is Made in the USA, is always in stock and comes with 5 year warranty.

How Do You Map the Data?

Register and coil data from your Modbus RTU slaves is concatenated in an ASCII string of data and deliver to a defined TCP/IP device. Data from the TCP/IP device can be parsed into up to 50 segments. Each segment can be assigned a data type and then delivered to a user defined register and coil locations on Modbus RTU.

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 3 mathematic functions. Add 4 to a value, multiply by 4 and divide by 10 with ease.

Why use Real Time Automation as a Gateway Supplier?

The 460MMTCP provides an option to access Modbus RTU devices in your TCP/IP socket based controllers. While there are certainly a number of other companies offering stand alone 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 even if that means recommending someone else's solution. 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. We are unashamed of the fact that we are a smaller company because that means you mean a lot more to us.

Try the RTA difference today and give us a call at 1-800-249-1612 or check out more information on us and our other solutions at www.rtaautomation.com.

A Word from our Founder

*"It's likely that your business isn't industrial networking and it shouldn't be. You make products, design systems, or manage some process. Whatever it is that you make, monitor or install the process inevitably creates data. If you're a control engineer and your plant has been around for a few years your line is probably littered with devices that send out all kinds of data over many different protocols. If you're an automation device developer you probably have customers that need to move your data into some other network. Either way, you've got a device conversion problem. You have devices that generate ASCII , Modbus RTU, Modbus TCP, BACnet, Profinet, Profibus, Ethernet TCP/IP , Ethernet/IP, DeviceNet or some other completely proprietary data and now you're the person that has to move that data to some other network! I feel your pain… and rather than just my sympathy, I have a solution for you. You see, while your business may not be moving data around a factory floor **mine is**. In fact, it's all that we have done for over twenty years now. Our 460 series of Device Converters is the culmination of those twenty years. You can now move all of your data, where you want, when you want and how you want. Try us on your next project, I guarantee you wont regret it."*

John Rinaldi

MODBUS RTU FEATURES

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

ETHERNET TCP/IP DEVICE FEATURES

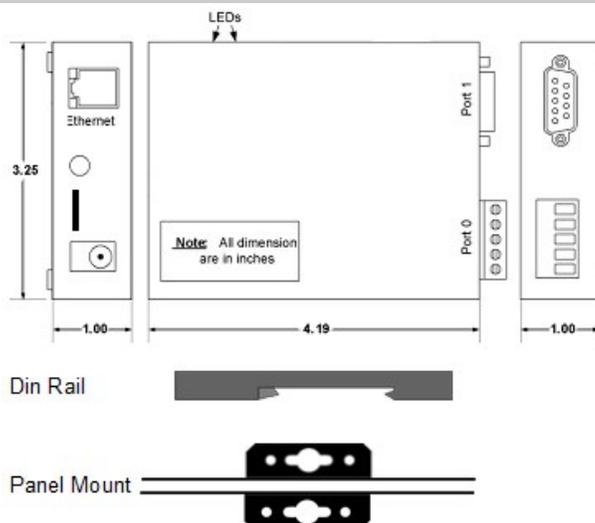|	
Operation Modes	Client or Server
Maximum Number of Devices Supported	10
Maximum Number of Characters Transferred	1024
Delimiter Processing	Incoming delimiters can be automatically removed; Outgoing delimiters automatically added if configured
Parsing	Parse String of ASCII Data in up to 50 Segments by Delimiter or Offset
Concatenation	Concatenate up to 50 segments/strings of ASCII data with optional delimiter

INCLUDED WITH GATEWAY

120 volt AC wall wart power supply	Manual
6' 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 @ 230 mA 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	5 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

DIMENSIONS

GATEWAY FEATURES & FUNCTIONS

Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.
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.
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 gateways 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?

Real Time Automation offers a full line of gateway products. If this isn't the one you were looking for chances are we still have right solution for you. Give us a call at 1-800-249-1612 or check out a listing at www.rtaautomation.com/products. We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

CATALOG #	DESCRIPTION
460MMTCP-N34	Modbus RTU Slave to Ethernet TCP/IP Device Gateway

Allen-Bradley, ControlLogix, CompactLogix, PLC-5 are registered trademarks of Rockwell Automation, Inc.