## **CONTACT US!**

1-800-249-1612 rtautomation.com

# **Real Time Automation Gateways**

# 460MSMM-NNA4

## Modbus RTU to Modbus TCP/IP

#### **FEATURES**

- Fully configurable Modbus TCP/IP server
- Move up to 100 groups of 512 contiguous coils or 512 contiguous registers to or from your Modbus TCP/IP client
- Fully configurable
   Modbus RTU master
- Connects up to 32
   Modbus RTU slaves
- Effortless Browser
   Based Configuration,
   no programming
   software is required
- Simple data translation allows you to manipulate data as it passes between protocols
- Guaranteed Stock
- 5-Year Hardware Warranty

#### Get Your Modbus RTU Slave Devices Connected to Your Modbus TCP/IP Client

The 460MSMM moves data between up to 32 Modbus RTU slave devices and a Modbus TCP/IP client devices.

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

### How Do I Use the 460MSMM-NNA4 in My Application?

Connect Modbus RTU slaves to Modbus TCP/IP controller. In the gateway, you configure what data it will read and write from the Modbus TCP/IP client and each slave device connection.

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.

### Why Use Real Time Automation as a Gateway Supplier?

While there are certainly other companies offering protocol gateways, there is no one who provides the level of support and service that you receive from RTA.

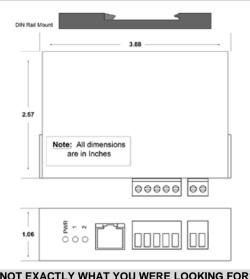
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



A Solution, A Philosophy, the RTA Way. We understand the long hours spent on a factory floor and the pressure to keep a line running and product flowing. That's how Real Time Automation came to be. You want easy-to-use solutions where the hardest part is to open the box. You need customer support second to none. If you get all that and a fun customer experience all the better. Thirty years later, our mission remains the same: To move your data where you need it, when you need it, and how you need it.

Modbus TCP Server	
Operation Mode	Modbus TCP/IP Server
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus TCP/IP Client Connections	10
Contiguous Data Areas	200 Total - 100 reads & 100 writes
Data Area Limits	512 Contiguous Coils or 512 Contiguous Registers
Modbus RTU Master	
Operation Mode	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
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
Manual	

<b>ELECTRICAL / ENVIRONMENT</b>	AL .	
DC Input Voltage	12-24 VDC	
Maximum Baud Rate	115K baud	DIN
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	2.
LEDs	Power LED & 2 general purpose LEDs on side	-
<b>GATEWAY FEATURES &amp; FUNC</b>		
	Set <, <=, >, >=, ==, !=, and change-of-state rules	
Alarming	on any data moving through the gateway. If alarm	
, ildirining	rule is triggered an email notification can be sent.	_
	You can configure up to 9 different users access to	
Gateway Security	diagnostic and configuration screens.	
	diagnostic and configuration screens.	_
	Allows for data manipulation during protocol	
Translation Table	translation. Scaling and other data format changes	1.
	can occur in the gateway.	
	<b>o</b> ,	
	Protocol specific status, counters, and error	NOT
	messages are accessible within the gateway's	Real Tim
Status and Counters	diagnostics page. They can also be delivered to a	Give us
	connected device.	<u>W\</u>
	2222.00 00.100.	
	Allows was to account to a control of the control o	
Diagnostic Logging Page	Allows users to see and log start up sequences,	
5	protocol specific messages & error messages.	



#### **EXACTLY WHAT YOU WERE LOOKING FOR?**

me Automation offers a full line of gateway products. s a call at 1-800-249-1612. Or, check out a listing at www.rtautomation.com/products. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460MSMM-NNA4	Connects a Modbus TCP client with as many as 32 Modbus RTU slaves



Made in the



Always In



