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Real Time Automation Gateways

460MCA-NNA4

Modbus TCP/IP to ASCII Gateway

FEATURES

- Fully configurable Modbus TCP/IP client
- Connects up to 32 Modbus TCP/IP servers
- Parse ASCII data in up to 50 segments by delimiter or offset
- Concatenate up to 50 data segments into a string
- 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

Deliver Data from your Modbus TCP/IP Server Devices to an ASCII-Based System or Controller

The 460MCA moves data between up to 32 Modbus TCP/IP server devices and serial ASCII.

It's a great tool to implement Modbus TCP/IP devices into your PC or embedded applications that support raw ASCII data.

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

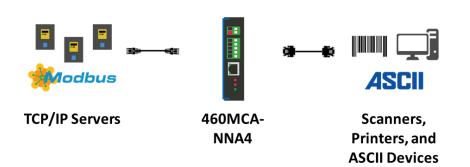
Modbus data segments can be converted to ASCII and concatenated into a string and delivered to your ASCII device. Incoming ASCII string can be parsed and each segment can be directed to user-defined Modus data location.

Need to scale your data or manipulate it with other math functions? The 460MCA allows you to add scaling to any data, apply simple math operations, add alarming, and control the request speeds of your server devices.

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.

Specification

Modbus TCP Client		
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	
ASCII		
Operation Mode	Bidirectional ASCII Transmit and Receive	
Maximum Number of Devices Supported	2	
Concatenation	Concatenate up to 50 segments data in a delimeted ASCII sting	
Maximum Number of ASCII Characters Transferred	1024 in each direction	
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	
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		

ELECTRICAL / ENVIRONMENTAL		
DC Input Voltage	12-24 VDC	
Maximum Baud Rate	115K baud	DIN Rail Mount
Operating Temperature	-40 C to 85 C	
Certification	RoHS-Compliant, UL, CUL, CE Approvals	
ENCLOSURE / HARDWARE		1
Size	3.88" x 2.57" x 1.06"	
Weight	5.5 oz	
Enclosure Type	Anodized Aluminum	
Mounting	Din rail or panel mount	2.57
LEDs	Power LED & 2 general purpose LEDs on side	
GATEWAY FEATURES & FUNCTIONS		Note: All dimensions
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.	are in Inches
Gateway Security	You can configure up to 9 different users access to diagnostic and configuration screens.	
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 gateway's diagnostics page. They can also be delivered to a connected device.	NOT EXACTLY WHAT YOU WERE LOOKING FOR? Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at www.rtautomation.com/products. We also offer customizations for unique applications.
Diagnostic Logging Page	Allows users to see and log start up sequences, protocol specific messages & error messages.	

CATALOG #	DESCRIPTION
460MCA-NNA4	Connects up to 32 Modbus TCP servers with one or two ASCII devices







Always In Stock





Real Time Automation, Inc.

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1-800-249-1612