

## Connect DF1 Devices to a Modbus TCP/IP Client

### 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
- Support for PLC5, SLC and MicroLogix PLCs
- Connect up to 32 DF1 Serial Devices
- 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

### Make Your Serial PLC5, SLC or MicroLogix PLC Act Like a Modbus TCP Device

Your legacy Allen-Bradley serial PLC can now be connected to a Modbus TCP Client Device.

It's the perfect tool to keep those old legacy PLCs from the scrap pile and extend their useful.

#### How do I use 460MSDFM-N34 in my application?

For most applications the mapping is very straight forward. Modbus Register and Coil data is mapped to Files in the PLCs data tables. For example, you can map N7:200 to Modbus Register 40200 in Modbus Server 10.

It really is that simple.

#### 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.

Try the RTA difference today.

**Always in Stock - Five Year Warranty - Made in the USA - Industry Leading Support**

#### A Gateway, A Philosophy, My Company

*"I remember my days as a controls engineer. I remember the pressure to keep the line running and product flowing. The endless headaches and stress that came every time I had to install a new gateway. If I never saw another hundred-page manual or had to deal with fifty features I didn't need it would be too soon. I knew there had to be a better way. That's how Real Time Automation was formed. I found the best engineers and gave them one task. I asked them to make solutions so easy to use the hardest part would be opening the box. It has been twenty years now and we still strive for that same goal every day."*

*John Rinaldi*



### Modbus TCP/IP Server FEATURES

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

### DF1 Master FEATURES

Operation Mode	DF1 Master Full Duplex and DF1 Master Half Duplex
PLCs Supported	MicroLogix 1000, SLC 5/03 5/04 5/05, most PLC5s
Maximum number of Devices supported	1 in Full Duplex Mode, 32 in Half Duplex
Data Type Supported	100 Integers or 100 Binaries, or 50 floats, 82 character string per Scan line
Scan Lines	100 input / 100 output
Physical Connections	RS485 and RS232

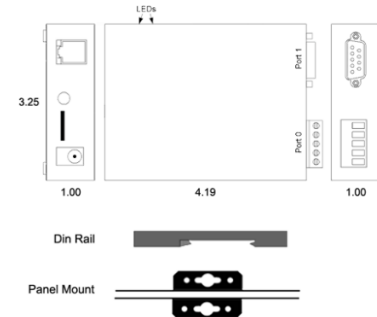
### INCLUDED WITH GATEWAY

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	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

### DIMENSIONS



### 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

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.
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 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 is not the one you were looking for, give us a call at 1-800-249-1612. Or, check out a listing at [www.rtaautomation.com/products](http://www.rtaautomation.com/products). We also offer custom gateways to help customers dealing with unique needs or proprietary protocols.

CATALOG #	DESCRIPTION
460MSDFM-N34	Connects a Modbus TCP Client with as many as 32 DF1 Slaves

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