

## Turn Your Serial DF1 PLCs into an EtherNet/IP Adapter with Wireless Capabilities

### FEATURES

- Fully configurable EtherNet/IP adapter
- Supports up To 480 bytes of input and 480 bytes of output data
- 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
- 5-Year Hardware Warranty

### Map Your Legacy PLC Data Tables into EtherNet/IP Adapter I/O

You can now make your legacy serial PLCs look like an EtherNet/IP adapter! Any of your old, serial PLCs like the PLC5, SLC, or MicroLogix can now provide cyclic data to an EtherNet/IP scanner. Connect to your EtherNet/IP scanner over Wi-Fi using Wi-Fi IEEE 802.11 b/g/n at 2.4GHz with AES encryption 128-bit.

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

### How Do I Use the 460ESDFM-N2EW in My Application?

For most applications, the mapping is very straightforward. PLC data table values (like N7:200 and F9:1) are mapped directly into the input and output assemblies of the cyclic data transfer.

You don't have to implement any message instructions or ladder logic in the legacy DF1 PLCs.

### 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.

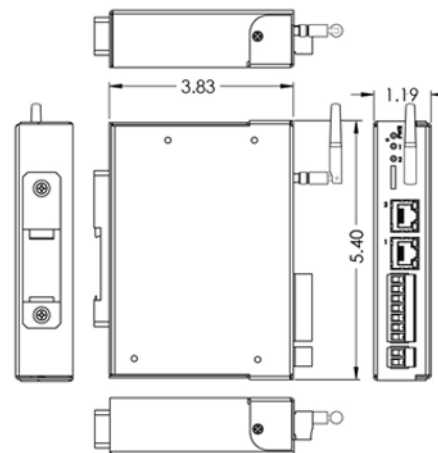
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



**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.**

| EtherNet/IP Adapter FEATURES  |   |
|---|---|
| Operation Mode  | Class 1 I/O Adapter   |
| Message Support   | Implicit Class 1 Cyclic I/O, Explicit Class 3 and UCMM Supported              |
| Data Types  | BIT8, 16 & 32; INT8, 16, 32 & 64; UINT8, 16, 32 & 64; Float & Double          |
| Maximum EtherNet/IP Scanner Devices                                 | Up to 10 can listen, only 1 can write I/O                                     |
| Maximum Data Supported  | Up to 480 bytes in each direction   |
| Maximum IO Scan Rate  | 20 msec   |
| 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  | RS-485 and RS-232   |
| 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              |
| Optional: Generic 1761-CBL-PM02 Cable                               | Optional: NULL Modem Cable  |

| ELECTRICAL / ENVIRONMENTAL   |  |
|------------------------------|--|
| DC Input Voltage             | 12-24 VDC  |
| 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                         | 5.40" x 3.83" x 1.19"  |
| Weight                       | 7.6 oz   |
| Enclosure Type               | Anodized Aluminum  |
| Mounting                     | Din rail or panel mount  |
| LEDs                         | 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 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?**  
 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](http://www.rtautomation.com/products). We also offer customizations for unique applications.

| CATALOG #     | DESCRIPTION   |
|---------------|---|
| 460ESDFM-N2EW | Connects an EtherNet/IP scanner with as many as 32 DF1 slaves |



MADE IN THE  
**U.S.A.**



ALWAYS IN  
**STOCK**



READY TO  
**SHIP**



EXPERT  
**SUPPORT**

