

Connect ASCII Devices to a DF1 PLC

FEATURES

- Parse ASCII/HEX data in up to 50 segments by delimiter or offset
- Concatenate up to 50 data segments into a string
- 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

Connect Serial Barcode Scanners, Printers and Scales to DF1-Based Allen-Bradley PLCs

Connect any ASCII-based serial device to your legacy PLCs like the PLC5, SLC, or MicroLogix.

It's the perfect tool to keep those old legacy PLCs and ASCII serial devices from the scrap pile by extending their useful life.

How Do I Use the 460ADFM-N700 in My Application?

Incoming and outgoing ASCII data is parsed into data segments and given a data type. Those values are then mapped to mating file locations in the DF1 devices like N7:200 or F9:1.

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.

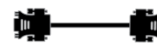
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



Scanners, Printers,
and ASCII Devices



460ADFM-N700



DF1 Slave Devices

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.**

ASCII FEATURES

| | |
|--|---|
| Operation Mode | Bidirectional ASCII Transmit and Receive |
| Maximum Number of Devices Supported | 2 |
| Concatenation | Concatenate up to 50 segments data in a delimited 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 |

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

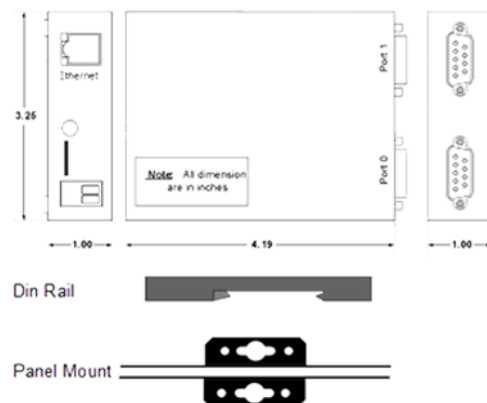
| | |
|-----------------------|---------------------------------------|
| DC Input Voltage | 12-24 VDC |
| Maximum Baud Rate | 115K baud |
| Operating Temperature | -40 C to 85 C |
| Certification | RoHS-Compliant, UL, CUL, CE Approvals |

ENCLOSURE / HARDWARE

| | |
|----------------|---|
| Size | 4.19" x 3.25" x 1" |
| Weight | 6.5 oz |
| Enclosure Type | Anodized Aluminum |
| Mounting | Din rail or panel mount |
| LEDs | Power LED, Ethernet link/data LED, & Ethernet speed LED |

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. We also offer customizations for unique applications.

| CATALOG # | DESCRIPTION |
|--------------|--|
| 460ADFM-N700 | Connects a single ASCII device with as many as 32 DF1 slaves |

