

## OPC UA Connection to DF1 Protocol

### FEATURES

- Fully configurable OPC UA server
- Up to 10 read and write groups with up to 200 nodes per group
- 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 your OPC UA clients to DF1 slave device

The 460USDFM moves data between OPC UA clients and DF1 slave devices. Allowing you to easily log data and leverage for populating data in dashboards. Best of all, the product comes with 5-year warranty.

### How Do I Use the 460USDFM-NNA1 in My Application?

For most applications, the mapping is very straightforward. OPC UA data is mapped to files in the PLCs data tables. Those values are then mapped to mating file locations in the DF1 devices like N7:200 or F9:1.

SSL transport layer security protects the data moving from your operations network to the cloud.

### 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.

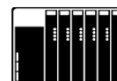
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.



Client



460USDFM-NNA1



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.**

**OPCUA SERVER FEATURES**

Operation Mode	OPC UA Server
Simultaneous Connections Supported	3
Max number of Input Nodes per Node Type	200
Max number of Output Nodes per Node Type	200
Array Support	Boolean, 64 Bit Integer, 64 Bit Unsigned Int and 64 bit Float
Profiles Supported	UA 1.03 Micro Embedded Server and Data Access

**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	3.88" x 2.57" x 1.06"
Weight	5.5 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**

460USDFM-NNA1

Connect up to three OPC Clients to up to 32 DF1 Slaves

