RTA
REAL TIME AUTOMATION®

CONTACT US!
1-800-249-1612
rtautomation.com

Connect BACnet/IP Servers to Legacy DF1 PLCs

FEATURES

- Fully configurable BACnet/IP client

- BACnet/IP supports device, binary I/O/V, analog I/O/V, multi-state I/O/V, and character string value object types

- 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

Control up to 32 BACnet/IP Server Devices from a Serial PLC5, SLC, or MicroLogix PLCs

You can now control a network of 32 BACnet/IP server devices from a legacy Allen-Bradley serial PLC.
You can now extend the function of the legacy PLCs you already have.

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

For most applications the mapping is very straightforward. PLC data table values like N7:200 and F9:1 are mapped directly to BACnet analog and binary values.
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.
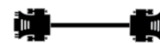
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.

IP Servers   460BCDFM-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.**

BACNET IP CLIENT FEATURES

Operation Mode	BACnet/IP Client
Supported Object Types	Device, BI/BO/BV, AI/AO/AV, MI/MO/MV, Character String Value
Supported Service Codes	Read Property-A, Read Property Multiple-A, Write Property-A, Write Property Multiple-A, Device Dynamic Binding-A
Maximum Connections	32
Number Read/Write Scan Lines per Device	200 Total - 100 reads & 100 writes
Scan Line Support	Up to 128 Objects

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

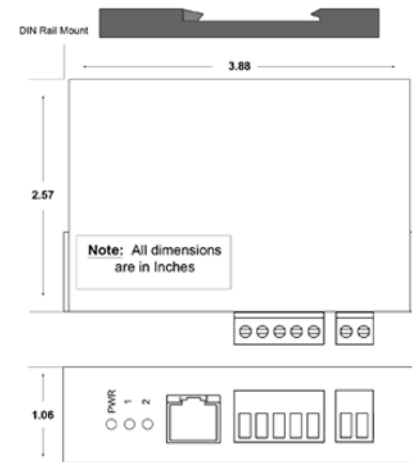|	
3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support 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.

DIN Rail Mount

3.88

2.57

Note: All dimensions are in Inches

1.06 PWR 1 2

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
460BCDFM-NNA1	Connects up to 32 BACnet/IP servers with as many as 32 DF1 slaves

ALWAYS IN STOCK   READY TO SHIP   ENGINERD SUPPORT   5-YEAR WARRANTY   EMPLOYEE OWNED