RTA
REAL TIME AUTOMATION®

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

Ethernet TCP/IP to Allen-Bradley PLC

FEATURES

- Supports connection to five Allen-Bradley PLCs

- Up to 150 tag or file arrays of data can be mapped in each direction

- Support up to 10 TCP/IP devices

- Parse & concatenate ASCII/HEX data in up to 50 segments by delimiter or offset

- 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

The Easiest Way to Integrate TCP/IP Socket Data into an Allen-Bradley PLC

The 460ETCTCP allows you to move ASCII data inside TCP/IP packets to an Allen-Bradley PLC. It allows you to interpret the ASCII data strings into meaningful data types for before being deliver to the PLC.
Best of all, the product is made in the USA and comes with 5-year warranty.

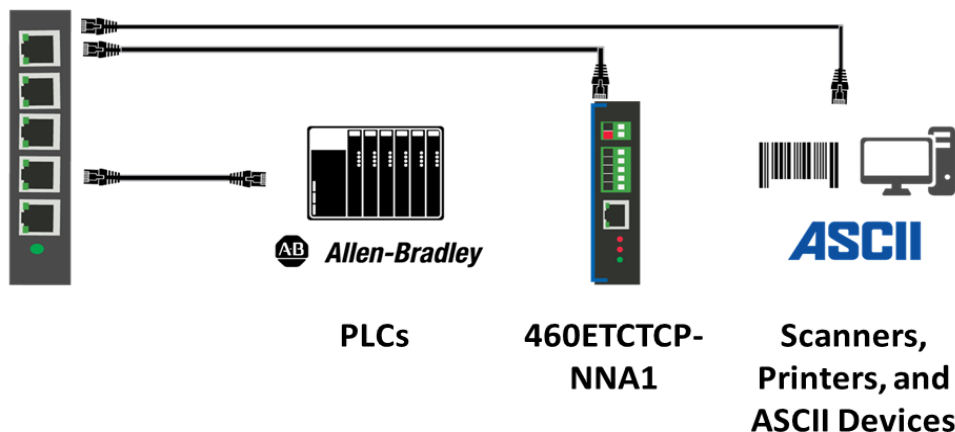### How Do I Use the 460ETCTCP-NNA1 in My Application?

ASCII data is mapped to and from user-defined tags or registers in the data table of your Allen-Bradley PLC. One area is a user-defined block accepting ASCII data. The other area is a block the gateway reads and passes to the ASCII device(s).
If your device uses delimiters, the 460ETCTCP can be configured to automatically remove the delimiters. If you need to parse your data, the 460ETCTCP can parse a string of Ethernet TCP/IP data in up to 50 segments by delimiter or offset.

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.

PLCs   460ETCTCP-NNA1   Scanners, Printers, and ASCII 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.**

ETHERNET TAG CLIENT FEATURES

PLC Support	ControlLogix, CompactLogix, FlexLogix, MicroLogix, SLCs and PLC5Es
Maximum Number of PLCs Supported	5
Maximum Number of Input/Output Tags or Files per PLC	150
Maximum Number of Bytes per PLC Tag	400
Array Support	Yes, for all data types except strings
Supported Data Types	Usint, Sint, Uint, Int, Udint, Dint, Real, String, Bit Array 16, Bit Array 32, Bool, and Long

ETHERNET TCP/IP FEATURES

Operation Mode	Client or Server
Maximum Number of Devices Supported	10
Maximum Number of Characters Transferred	1024
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
Concatenation	Concatenate up to 50 segments/strings of ASCII data with optional delimiter

INCLUDED WITH GATEWAY

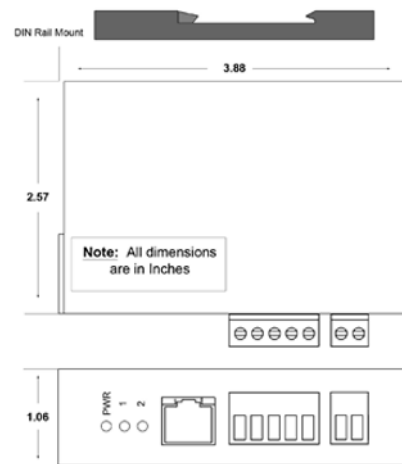|	
3' power cable with flying leads	5-year hardware warranty
IPSetup software – automatically locates RTA gateway on the network	Unlimited firmware feature upgrades for life
CAT5 crossover cable for direct connection to PC during programming	Complete, unlimited access to our industry leading support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

ELECTRICAL / ENVIRONMENTAL

DC Input Voltage	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

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
460ETCTCP-NNA1	Connects up to five Allen-Bradley PLCs with as many as 10 Ethernet TCP/IP devices

ALWAYS IN STOCK   READY TO SHIP   MADE IN THE USA   EXPERT SUPPORT   5-YEAR WARRANTY   EMPLOYEE OWNED

Real Time Automation, Inc.   solutions@rtautomation.com   1-800-249-1612