

## Ethernet TCP/IP to BACnet/IP

### 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 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

### Get Ethernet TCP/IP Data into Your BACnet/IP Server Devices

The 460BCTCP moves data between up to 32 BACnet/IP server devices and up to 10 Ethernet TCP/IP connections.

It's a great tool to implement BACnet/IP devices into your PC or embedded applications that support Ethernet sockets.

### How Do I Use the 460BCTCP-N2E in My Application?

BACnet analog, binary and CSV data segments can be converted to ASCII and delivered to your ASCII controller. If you need to command the BACnet/IP servers an incoming ASCII string can be parsed and directed to user-defined data location.

Need to scale your data or manipulate it with other math functions? The 460BCTCP allows you to add scaling to any data, apply simple math operations, add alarming, and control the request speeds of your server devices.

### 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



460BCTCP-N2E



ASCII

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.**

### 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

### 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

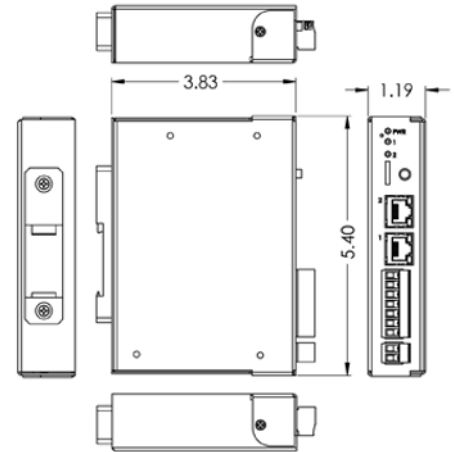
DC Input Voltage	12-24 VDC
Maximum Baud Rate	115K baud
Operating Temperature	-40 C to 85 C
Certification	RoHS-Compliant, UL, CUL, CE Approvals, Class I Div 2

### 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
460BCTCP-N2E	Connects up to 32 BACnet/IP servers with up to 10 Ethernet TCP/IP devices



**ALWAYS IN STOCK**



**READY TO SHIP**



**ENGINEER SUPPORT**



**5-YEAR WARRANTY**



**EMPLOYEE OWNED**