# DeviceNet Master to Ethernet TCP/IP

## FEATURES

- Fully configurable DeviceNet slave device

- Map data up to 240 bytes Of DeviceNet data in up to 15 data group 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

## Monitor and Control Ethernet TCP/IP Devices with a DeviceNet PLC

The 460DSTCP moves data between a DeviceNet Master device and an Ethernet TCP/IP device. Ethernet TCP/IP is nothing more than ASCII data encapsulated in a TCP/IP packet.
With the 460DSTCP, you have a tool to help you interpret the ASCII data and then pass it your user-defined data locations on DeviceNet. You can also send ASCII commands and control messages to your Ethernet TCP/IP devices.

## How Do I Use the 460DSTCP-N34 in My Application?

Up to 240 bytes of Ethernet TCP/IP data will be mapped into your DeviceNet master device. When writing from your DeviceNet master to your Ethernet TCP/IP devices, up to 240 bytes of DeviceNet output data will be sent as Ethernet TCP/IP data.
It's really that simple. Need to modify your data as it passes from one protocol to the other? No problem. Each data mapping you apply can be modified with up to three mathematic functions. Add 4 to a value, multiply by 4 and divide by 10 with ease.
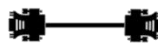
## Why Use Real Time Automation as a Gateway Supplier?

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.



Master     460DSTCP-N34     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.**

## DEVICENET SLAVE FEATURES

| | |
|---|---|
| Operation Mode | Group 2 DeviceNet Slave |
| Supported Data Types | Int8, int16, int32, int64, uint8, uint16, uint32, uint64, float, double, binary8, binary16, binary32, Short String |
| Maximum Connections | 1 |
| Maximum Input Size | 240 Bytes in up to 15 Data Groups |
| Maximum Output Size | 240 Bytes in up to 15 Data Groups |
| Maximum IO Scan Rate | 50 msec |

## 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 | 8 VDC @ 230mA to 28 VDC @ 80 mA |
| Maximum Baud Rate | 500K Baud |
| Operating Temperature | -40 C to 85 C |
| Certification | RoHS-Compliant, UL, CUL, CE Approvals, Class I Div 2 |

## ENCLOSURE / HARDWARE

| | |
|---|---|
| Size | 4.2" x 3.25" x 1" |
| Weight | 7 oz |
| Enclosure Type | Anodized Aluminum |
| Mounting | Din rail or panel mount |
| LEDs | Ethernet link/data LED, Ethernet speed LED, 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. |

**LEDs**

3.25  Port 1  Port 0

1.00   4.19   1.00

Din Rail

Panel Mount

**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 |
|---|---|
| 460DSTCP-N34 | Connects a DeviceNet master with as many as 10 Ethernet TCP/IP devices |

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