

## USB to Modbus TCP/IP Client

### FEATURES

- Fully configurable Modbus TCP/IP server
- Move up to 100 groups of 512 contiguous coils or 512 contiguous registers to or from your Modbus TCP/IP client
- Full support for USB Barcode scanners & printers
- Provides up to 1 amp of power between USB ports
- 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 Your USB Barcode Scanners Connected Directly to Your Modbus TCP/IP Client Device

The 460MSUSB moves data between up to two USB devices like barcode scanners and a Modbus TCP/IP client device.

It's the perfect tool to tie your USB devices to your Modbus TCP/IP system.

### How Do I Use the 460MSUSB-NNCU in My Application?

Incoming ASCII data from a USB device is mapped directly to your registers or coils in your Modbus TCP/IP client. A block of registers can be mapped together to form an outbound string of data for printer applications.

If your device uses delimiters, the 460MSUSB can be configured to remove those delimiters. If you need to parse your data, the 460MSUSB can parse a string of ASCII 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.



TCP/IP Client



460MSUSB-NNCU

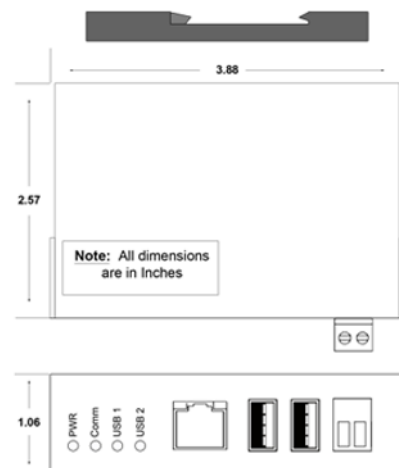


USB Scanner,  
or Printer

**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.**

| MS FEATURES   |   |
|---|---|
| Operation Mode  | Modbus TCP/IP Server  |
| Function Codes Supported  | 1,2,3,4,5,6, 15 & 16  |
| Swapping  | Byte and Word Swapping  |
| Maximum Modbus TCP/IP Client Connections                            | 10  |
| Contiguous Data Areas   | 200 Total - 100 reads & 100 writes  |
| Data Area Limits  | 512 Contiguous Coils or 512 Contiguous Registers  |
| USB FEATURES  |   |
| Operation Mode  | Class 3 (HID) and Class 7 (Printer)   |
| Maximum Number of Devices Supported                                 | 2   |
| ASCII Device Interfaces   | USB   |
| Maximum Number of ASCII Characters Transferred                      | 128   |
| 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                                  |
| 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            | 115K baud  |
| Operating Temperature        | -40 C to 85 C  |
| Certification                | 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, Comm LED & 2 USB 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.   |

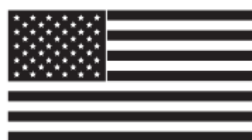


**NOT EXACTLY WHAT YOU WERE LOOKING FOR?**  
 Real Time Automation offers a full line of gateway products. Give us a call at 1-800-249-1612. Or, check out a listing at [www.rtautomation.com/products](http://www.rtautomation.com/products). We also offer customizations for unique applications.

| CATALOG #     | DESCRIPTION  |
|---------------|--|
| 460MSUSB-NNCU | Connects a Modbus TCP client with as many as two USB devices |



ALWAYS IN STOCK



MADE IN THE USA



READY TO SHIP



EXPERT SUPPORT

