REAL TIME AUTOMATION, INC.
N26W23315 Paul Road, Pewaukee, WI 53072
800.249.1612 | solutions@rtautomation.com



REAL TIME AUTOMATION GATEWAY 460MSUSB-NNDU

MODBUS TCP CLIENT TO/FROM USB GATEWAY

KEY FEATURES

- Fully configurable Modbus TCP server
- Move up to 100 read groups and 100 write groups of 512 contiguous coils or 512 contiguous registers to/from a Modbus TCP client
- Full support for USB barcode scanners & printers
- Provides up to one amp of power across 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

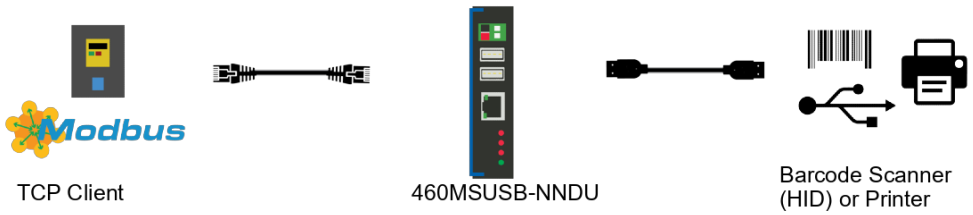
Connect Your USB Devices Directly to/from Your Modbus TCP Client Device

The 460MSUSB moves data between up to two USB Human Interface Devices (Class 0x03) or printer devices (Class 0x07), and a Modbus TCP client device, providing a straightforward path to tie USB peripherals, such as barcode scanners and printers, directly into your Modbus TCP system.

How Do I Use the 460MSUSB In My Application?

Incoming ASCII data from a USB device is mapped directly to registers or coils in your Modbus TCP client, while a block of registers can be mapped together to form an outbound string 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 RTA As Your Gateway Supplier?

We are dedicated to being your trusted partner. 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 comes from technical experts who know the product inside and out.

ALWAYS IN STOCK | READY TO SHIP | BREWED IN WISCONSIN | EXPERT SUPPORT | 5-YEAR WARRANTY | PROTOCOL PARTNER

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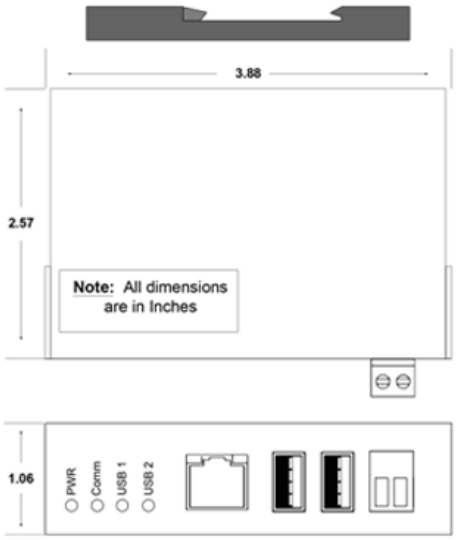
MODBUS TCP SERVER FEATURES	
Operation Mode	Modbus TCP Server
Function Codes Supported	1, 2, 3, 4, 5, 6, 15 and 16
Swapping	Byte and Word Swapping
Maximum Modbus TCP Client Connections	10
Contiguous Data Areas	200 Total - 100 reads and 100 writes
Data Area Limits	512 Contiguous Coils or 512 Contiguous Registers
USB FEATURES	
Operation Mode	Human Interface Devices (HID) - Class 0x03, Printers - Class 0x07, FTDI Virtual Com
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
Device discovery tool – automatically locates RTA the 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

ELECTRICAL/ENVIRONMENTAL	
DC Input Voltage	8 VDC @ 230 mA 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, Ethernet link/data LED, Ethernet speed LED, 2 USB LEDs and 1 general purpose LED on side
GATEWAY FEATURES & FUNCTIONS	
Gateway Security	You can configure up to nine different users access to diagnostic and configuration screens.
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 and error messages.



NOT EXACTLY WHAT YOU WERE LOOKING FOR?
RTA offers a full line of gateway products. Give us a call at 800.249.1612 or visit www.rtautomation.com. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460MSUSB-NNDU	Modbus TCP Client to/from USB Gateway