RTA
REAL TIME AUTOMATION®

Real Time Automation Gateways

460MMUSB-N70U

USB to Modbus RTU Slaves

FEATURES

- Fully configurable Modbus RTU master

- Connects up to 32 Modbus RTU slaves

- 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

- Guaranteed Stock

- 5-Year Hardware Warranty

Get Your USB Barcode Scanners Connected Directly to Your Modbus RTU Slave Devices

The 460MMUSB moves data between up to two USB devices, like barcode scanners or printers, and up to 32 Modbus RTU slave devices. It's the perfect tool to tie your USB devices to your Modbus RTU system.

Best of all, the product is made in the USA, always in stock, and comes with 5-year warranty.

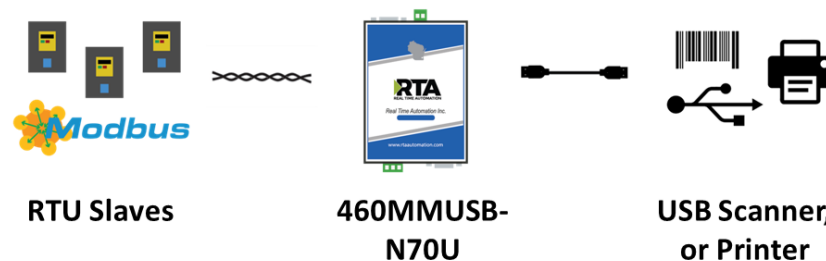### How Do I Use the 460MMUSB-N70U in My Application?

Incoming ASCII data from a USB device is mapped directly to registers in your Modbus RTU slave devices. A block of Modbus registers are grouped to create an outgoing string to printer applications.

If your device uses delimiters, the 460MMUSB can be configured to automatically remove the delimiters. If you need to parse your data, the 460MMUSB 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.
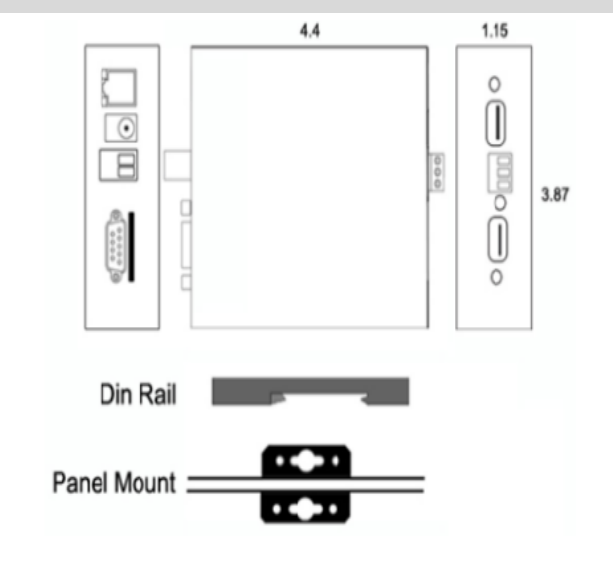
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.

RTU Slaves   **460MMUSB-N70U**   **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.**

Modbus RTU Master

Operation Mode	Modbus RTU Master
Function Codes Supported	1,2,3,4,5,6, 15 & 16
Swapping	Byte and Word Swapping
Maximum Modbus RTU Slave Devices	32
Number Read/Write Scan Lines per RTU Slave Device	200 Total - 100 reads & 100 writes
Scan Line Support	Up to 125 Registers or 512 Coils

USB

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	RoHS-Compliant, UL, CUL, CE Approvals

ENCLOSURE / HARDWARE

Size	4.4" x 3.87" x 1.15"
Weight	8.5 oz
Enclosure Type	Anodized Aluminum
Mounting	Din rail or panel mount
LEDs	Power LED, Ethernet link/data LED, Ethernet speed LED, & 2 USB LEDs

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

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
460MMUSB-N70U	Connects up to 32 Modbus RTU Slaves with up to two USB devices

Made in the **U.S.A.**

Always In **Stock**

Ready to **Ship**

Expert **Support**

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