CONTACT US!
1-800-249-1612
rtautomation.com

USB to EtherNet/IP Scanner

FEATURES

- Fully configurable EtherNet/IP adapter

- Up to 480 bytes in each direction per adapter connection

- 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 and Printers Connected Directly to Your EtherNet/IP Scanner Device

The 460ESUSB moves data between up to two USB devices, like barcode scanners and printers, and an EtherNet/IP scanner device. It's the perfect tool to tie your USB devices to your EtherNet/IP control system.
Best of all, the product comes with 5-year warranty.

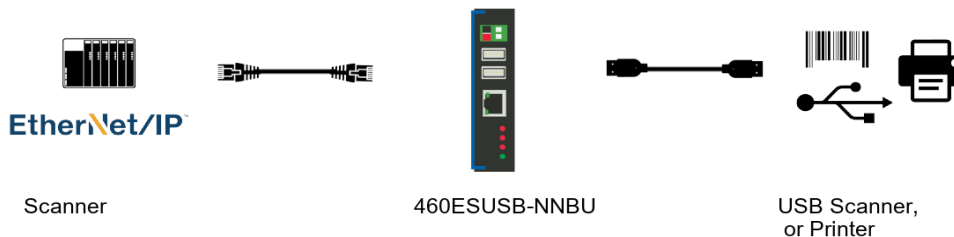### How Do I Use the 460ESUSB-NNBU in My Application?

Incoming ASCII data from a USB device is mapped directly to your EtherNet/IP scanner. For event-based processing, like most barcode scans, you can map an additional counter that increments whenever a successful message is received from the USB device.
If your device uses delimiters, the 460ESUSB can be configured to automatically remove them. If you need to parse your data, the 460ESUSB 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.
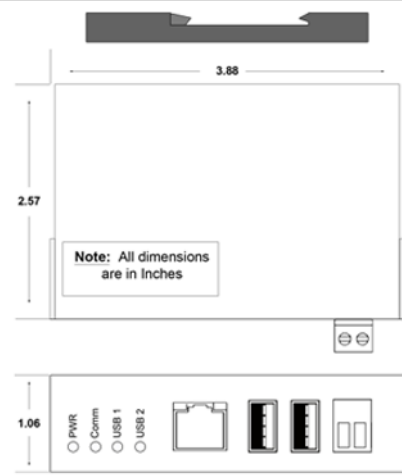
When you call, a live person answers the phone. When you talk with sales, you will get honest answers and recommendations. When you get support, it is from an engineer who had a hand in the product's development, and support doesn't require a ticket or 24-hour wait.

EtherNet/IP™

Scanner   460ESUSB-NNBU   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.**

ETHERNET/IP ADAPTER FEATURES

Operation Mode	Class 1 I/O Adapter
Message Support	Implicit Class 1 Cyclic I/O, Explicit Class 3 and UCMM Supported
Data Types	BIT8,16 & 32; INT8, 16, 32 & 64; UINT8,16, 32 & 64; Float & Double
Maximum EtherNet/IP Scanner Devices	Up to 10 can listen, only 8 can write I/O
Maximum Data Supported	Up to 480 bytes in each direction per adapter connection
Maximum IO Scan Rate	20 msec

USB FEATURES

Operation Mode	Class 3 (HID), Class 7 (Printer), and 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
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. We also offer customizations for unique applications.

CATALOG #	DESCRIPTION
460ESUSB-NNBU	Connects an EtherNet/IP scanner with up to two USB devices

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