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



REAL TIME AUTOMATION GATEWAY 460USBSC-NNDU

# USB TO/FROM SIEMENS S7 PLC GATEWAY

## KEY FEATURES

- Full support for USB barcode scanners & printers
- Provides up to one amp of power across USB ports
- Supports connections to five Siemens S7 PLCs
- Up to 150 read and 150 write requests per connection
- 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 Siemens S7 PLC

The 460USBSC moves data between up to two USB Human Interface Devices (Class 0x03) or printer devices (Class 0x07), and up to five Siemens S7 PLCs, providing a direct integration path between your USB peripherals, such as barcode scanners and printers, and your Siemens automation environment.

## How Do I Use the 460USBSC In My Application?

Incoming and outgoing ASCII data over USB is parsed into typed data segments and mapped to matching memory locations in your Siemens S7 PLCs, keeping the integration straightforward for most applications.




## 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.

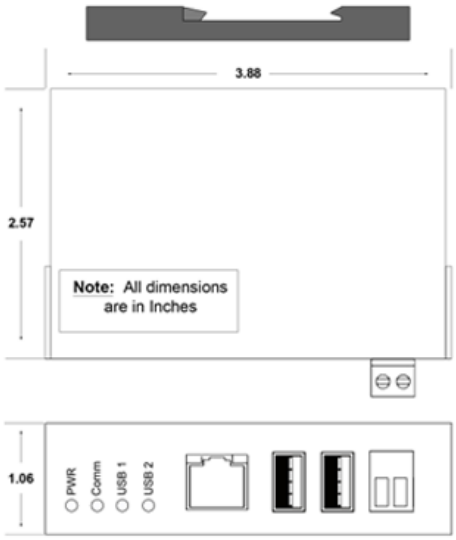
ALWAYS IN STOCK | READY TO SHIP | BREWED IN WISCONSIN | EXPERT SUPPORT | 5-YEAR WARRANTY | PROTOCOL PARTNER

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| 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 |
| **S7 CLIENT FEATURES** | |
| Supported PLCs | S7 300/400/1200/1500 |
| Maximum Number of PLCs Supported | 5 |
| Maximum Number of Inputs/Outputs per PLC | 150 |
| Maximum Number of Bytes per Scan Line | 400 |
| Memory Area Access | Input (I), Output (Q) and Data Block (DB) |
| Supported Data Types | 8 Bit Int, 16 Bit Int, 32 Bit Int, 32 Bit Float, Bool and Char Array |

| 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 |
|---|---|
| 460USBSC-NNDU | USB to/from Siemens S7 PLC Gateway |