



USB to 1-Port RS-232, RS-422, RS-485 (Software Configurable) DB9 Serial Interface Adapter

Part: 2123 | **Model:** SeaLINK.SC

The SeaLINK® 2123 USB to serial interface adapter offers an easy way to connect a DB9 serial device to a USB port. All configuration and electrical interface selections are handled through the driver, eliminating the need to open the enclosure to set jumpers or switches. The serial port is software configurable for RS-232, RS-422, and RS-485 with the electrical interface settings maintained locally, allowing the host computer to be repaired or upgraded without reconfiguring the serial port. Additionally, the 2123 can be configured at one computer and deployed to other computers.

Sealevel SeaCOM USB software drivers and utilities make installation and operation easy using Microsoft Windows operating systems. After installing the software, simply plug the 2123 into an available USB port and the serial port is recognized as a standard COM port by the host system enabling compatibility with legacy software. All Sealevel SeaLINK USB serial adapters use a state-machine architecture that greatly reduces the host computer's overhead when communicating over multiple serial ports simultaneously while supporting data rates to 921.6K bps. Status LEDs on the front of the enclosure indicate power, serial data activity, and electrical interface.

The adapter integrates Sealevel's SeaLATCH locking USB port, which is fully compatible with standard USB cables. When used with the included USB cable with a locking type B connector, the metal thumbscrew provides a secure connection to the device and prevents accidental cable disconnection.

The 2123 is housed in a rugged, plastic enclosure ideal for mounting on walls, under counters, or inside panels. DIN rail clips are available as an option. The adapter is USB bus-powered, so no external power supply is needed. Standard operating temperature range is 0°C to 70°C and extended temperature range (-40°C to 85°C) is optional.

Do you know that adapter design can impact your application? Find out how in this USB Serial Performance report.

Features & Specifications

USB to 1-Port RS-232, RS-422, RS-485 (Software Configurable) DB9 Serial Interface

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Features

- Compliant with RoHS and WEEE directives
- Serial port software configurable for RS-232, RS-422, or RS-485
- Electrical interface settings are maintained across multiple computers
- High speed UART with 128-byte Tx FIFO and 384-byte Rx FIFO
- Supports data rates to 921.6K bps
- Automatic RS-485 enable/disable
- Sealevel's SeaLATCH locking USB port provides secure connection with SeaLATCH USB cables via metal thumbscrews
- SeaLATCH USB ports are fully compatible with standard USB cables
- Status LEDs display electrical interface selection and serial data activity
- Power LED displays connection to host
- Powered by USB connection
- Single DB9M connector with full modem control signals implemented in RS-232 mode
- Sealevel SeaCOM software supports Windows operating systems
- Includes 6' USB type A to SeaLATCH USB type B device cable (Item# CA356)

Specifications

Family	SeaLINK
Communications Chip	USB/UART
Dimensions	4.3 (L) x 3.4 (W) x 1.3 (H)
Electrical Interface	RS-232, RS-422, RS-485
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Host Interface(s)	USB
Max Data Distance	50 feet (RS-232) 4000 feet (RS-485)
Max Data Rate	921.6K bps
Operating Temperature	0°C to 70°C (32°F to 158°F)
# of Ports	1
Power Requirement	+5V @ 200mA
RoHS Compliant	Yes
SeaLATCH Locking USB	Yes
Serial Connector(s)	DB9M
Software Configurable	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)
USB Powered	Yes
USB Specification	1.1 Compliant 2.0 Compatible