USB to 8-Port RS-232, RS-422, RS-485 (Software Configurable) DB9 Serial Interface Adapter

Part: 2823 | **Model:** SeaLINK+8.SC

The SeaLINK® 2823 USB to serial interface adapter offers an easy way to connect up to eight serial devices to a single 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. Each serial port is software configurable for RS-232, RS-422, or RS-485 with the electrical interface settings maintained locally, allowing the host computer to be repaired or upgraded without reconfiguring the serial ports. Additionally, the 2823 can be configured at one computer and deployed to other computers.

Sealevel's SeaCOM USB software drivers and utilities make installation and operation easy using Microsoft Windows operating systems. After installing the software, simply plug the 2823 into an available USB port and the serial ports are recognized as standard COM ports 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 2823 integrates Sealevel's SeaLATCH USB port, which is fully compatible with standard USB cables. When used with the included USB cable with a SeaLATCH USB type B connector, the metal thumbscrew provides a secure connection to the device and prevents accidental cable disconnection. Additionally, the highly-retentive type B connector helps prevent unintentional separation from a standard USB cable.

The 2823 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
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Features

- Compliant with RoHS and WEEE directives
- Each port individually 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 for each port
- Power LED displays connection to host
- Powered by USB connection
- High-retention USB type B connector prevents accidental disconnection of standard USB cable
- Eight DB9M connectors with full modem control signals implemented in RS-232 mode
- Sealevel SeaCOM software supports Microsoft 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	9.2" (L) x 5.3" (W) x 2.4" (H)
Electrical Interface	RS-232, RS-422, RS-485
High Retention USB	Yes
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	8
Power Requirement	+5V @ 500mA
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 Compliant2.0 Compatible