



V11/23

# USB 2.0 to 16-Port RS-232, RS-422, RS-485 DB9M Serial Interface Adapter

**Part:** 2165-OEM | **Model:** SeaLINK+16

The SeaLINK® 2165-OEM USB 2.0 serial I/O adapter offers an easy way to add 16 multi-interface serial ports to a single USB port in your OEM application. Each serial port is available on a standard DB9M connector and is individually configurable for RS-232, RS-422, or RS-485. The electrical interface, echo suppression, line termination, and receive biasing for each serial port is set via convenient on-board DIP-switches. The adapter supports a wide range of standard and non-standard baud rates exceeding 921.6 Kbps on each port.

The 2165-OEM serial adapter includes a high-retention USB Type B connector to help prevent accidental disconnection of the USB cable. On-board status LEDs display serial data activity, the board heartbeat, electrical interface selection and line termination state. The adapter requires 5 VDC external power, via a 2-pin Mini-Fit Jr. header connector on the board, and operates over a wide operating temperature range of -40 to +85C.

Sealevel SeaCOM USB software drivers and utilities make installation and operation easy using Microsoft Windows and Linux operating systems. After installing the software, simply power the 2165-OEM and connect it to an available USB port. The serial ports are recognized as standard COM ports by the host system enabling compatibility with legacy software.

The adapter is RoHS compliant and meets the requirements of RoHS (2011/65/EU) directive.



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## Features & Specifications

### USB 2.0 to 16-Port RS-232, RS-422, RS-485 DB9M Serial Interface Adapter

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#### Features

- Compliant with RoHS and WEEE directives
- USB 2.0 Full/Hi-Speed device with high-retention USB Type B connector
- Each port individually configurable for RS-232, RS-422, or RS-485
- Serial ports are available on standard DB9M connectors
- Supports data rates exceeding 921.6 Kbps on each port
- Automatic RS-485 enable/disable during transmit
- In RS-232 mode, all modem control signals (except RI) are implemented
- Four-wire RS-485 is supported in RS-422/485 modes
- On-board serial activity and diagnostic LEDs
- Requires 5 VDC @ 2.5 A (max) via 2-pin Mini-Fit Jr. header connector
- Sealevel SeaCOM software supports Microsoft Windows and Linux operating systems
- USB device cable (Item# CA179), other cables and items available as accessories

#### Specifications

<b>Communications Chip</b>	USB/UART
<b>Family</b>	SeaLINK
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)
<b>Serial Connector(s)</b>	DB9M
<b>RoHS Compliant</b>	Yes
<b>Operating Temperature</b>	-40°C to 85°C (-40°F to 185°F)
<b># of Ports</b>	16
<b>Max Data Rate</b>	Exceeds 921.6K bps
<b>Max Data Distance</b>	4000 feet
<b>Host Interface(s)</b>	USB
<b>Humidity Range</b>	10 – 90% Relative Humidity, Non-Condensing
<b>High Retention USB</b>	Yes
<b>Electrical Interface</b>	RS-232, RS-422, RS-485
<b>USB Specification</b>	2.0 Compliant



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