

USB to RS-232 DB9 Serial Interface Adapter

Part: 2105R Model: SeaLINK+232-DB9

The SeaLINK® single-port USB to RS-232 DB9 serial adapter utilizes Sealevel's expertise in military-grade designs by incorporating a ruggedized, over-molded enclosure into the 2105R. This improves the reliability and durability in industrial and mobile applications such as GPS navigation systems, barcode readers, signature input devices, serial printers, scales, and similar applications.

The 2105R features programmable baud rate and data formats with 128-byte transmit and 384-byte receive buffers. The USB serial adapter is compatible with all standard PC baud rates and supports high-speed communication to 921.6K bps. The 2105R is powered by the USB port and status LEDs molded into the enclosure indicate serial data activity and connection to the host.

Sealevel SeaCOM USB software drivers and utilities make installation and operation easy using Microsoft Windows and Linux operating systems. After installing the software, simply plug the 2105R 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.

The attached cable is approximately 56 inches long and fully shielded to protect the 2105R from RF and EMI interference that is common in mobile and industrial environments. Standard operating temperature range is 0°C to 70°C (32°F to 158°F), and an extended temperature range of -40°C to 85°C (-40°F to 185°F) is optional.

The 2105R has a DB-9M connector. If you need a DB-25M connector, order the 2101.



Features

- Compliant with RoHS and WEEE directives
- Rugged, military-grade enclosure improves durability in mobile and industrial applications
- High-speed UART with 128-byte Tx FIFO and 384-byte Rx FIFO
- Programmable baud rate and data formats
- Supports data rates to 921.6K bps
- Status LEDs molded into enclosure indicate serial data activity and connection to host
- All modem control signals implemented
- Powered by USB host connection
- Sealevel SeaCOM software supports Windows and Linux operating systems
- Attached cable is approximately 56 inches in length
- Overall length is 60 inches
- Standard DB-9M serial connector



Design & Manufacturing Experience

Long-term Availability Guaranteed

Lifetime Warranty

USB to RS-232 DB9 Serial Interface Adapter

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Specifications

Family

- SeaLINK

Communications Chip

- USB/UART

Dimensions

- Overmold: 2.24" (L) x 1.3" (W) x 0.6" (H) Overall Length: 60"

Electrical Interface

- RS-232

Humidity Range

- 10 – 90% Relative Humidity, Non-Condensing

Host Interface(s)

- USB

Max Data Distance

- 50 feet

Max Data Rate

- 921.6K bps

Operating Temperature

- 0°C to 70°C (32°F to 158°F)

of Ports

- 1

Power Requirement

- +5V @ 100mA

RoHS Compliant

- Yes

Serial Connector(s)

- DB9M

Storage Temperature

- -50°C to 105°C (-58°F to 221°F)

USB Powered

- Yes

USB Specification

- 1.1 Compliant, 2.0 Compatible



RS232 Pin Out

Pin #	Signal
1	DCD
2	RX
3	TX
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

DB9M Connector



DB9M RS-232 Loopback

