STARTECH ICUSB232SM3 USB TO RS232 ADAPTER

StarTech ICUSB232SM3 USB to RS232 Adapter Specifications and Datasheet

Contents

StarTech.com

StarTech ICUSB232SM3 USB to RS232 Adapter

3ft USB to RS232 DB9 Serial Adapter Cable – M/M

Product ID: ICUSB232SM3

The ICUSB232SM3 3ft USB to Serial Adapter Cable lets you connect DB9 RS232 serial devices to your Mac or PC laptop or desktop computer through an available USB port, as though the computer offered an onboard DB9M connector.

Unlike typical USB-to-serial converter cables where the conversion takes place at the DB9 end, the StarTech.com ICUSB232SM3 features a converter chip on the USB end. Converting at the USB source overcomes the 15ft. technical limit of USB cables, allowing for a much greater serial DB-9 extension cable (50 ft.+ is possible depending on the application) if necessary.

Simple to install and use, this USB to Serial adapter is a cost-effective solution that bridges the compatibility gap between modern computers and legacy serial peripherals.

Backed by a StarTech.com lifetime warranty and free lifetime technical support.

Certifications, Reports, and Compatibility

Applications

- Perfect for IT Administrators looking to add legacy functionality to newer notebooks, PCs, and servers that lack an integrated RS232 port
- Connect, monitor, and control industrial/automotive sensors and equipment
- Connect barcode scanners, receipt printers, and other point-of-sale devices
- Connect a satellite receiver, serial modem, or PDA with serial sync

Features

- Supports serial data transfer rates of up to 1 Mbps
- No external power is needed – draws power from the USB connection
- Compatible with modems, printers, barcode scanners, servers, PDUs, and nearly any serial RS232 equipment
- Thin, lightweight design
- Easy to setup and install

Hardware:

- **Warranty:** Lifetime
- **Ports:** 1
- **Interface:** Serial
- **Bus Type:** USB 2.0
- **Port Style:** Cable Adapters
- **Industry Standards:** RS232, USB 1.1/2.0

- **Chipset ID:** Prolific – PL2303GC

Performance:

- **Serial Protocol:** RS-232
- **Max Baud Rate:** 921.6 Kbps
- **FIFO:** 192 Bytes

Connector(s):

- **Connector A:** 1 – USB 2.0 Type-A (4 pin, 480Mbps)
- **Connector B:** 1 – DB-9 (9 pins, D-Sub)

Software:

- **OS Compatibility:**
    - Windows CE 4.2, 5.2, Vista, 7, 8, 8.1, 10, 11
    - Windows Server 2003, 2008 R2, 2012, 2016, 2019, 2022
    - macOS 10.6 to 10.15, 11.0, 12.0, 13.0, 14.0
    - Linux 2.4.x and up – <i>LTS Versions only</i>

Environmental:

- **Operating Temperature:** 0°C to 60°C (32°F to 140°F)
- **Storage Temperature:** -20°C to 80°C (-4°F to 176°F)
- **Humidity:** 0~65% RH

Physical Characteristics:

- **Color:** Blue
- **Material:** Plastic
- **Cable Length:** 3.0 ft [0.9 m]
- **Product Length:** 36.0 in [91.4 cm]
- **Product Width:** 1.4 in [3.5 cm]
- **Product Height:** 0.6 in [1.5 cm]
- **Weight of Product:** 2.0 oz [56.0 g]

Packaging Information:

- **Package Quantity**: 1
- **Package Length:** 8.7 in [22.0 cm]
- **Package Width:** 7.9 in [20.0 cm]
- **Package Height:** 0.6 in [15.0 mm]
- **Shipping (Package) Weight:** 2.5 oz [70.0 g]

What's in the Box:

- Included in Package:
    - 1 – USB to Serial Converter
    - 2 – Cable Nuts

*Product appearance and specifications are subject to change without notice.

"You can also check out the installation instructions **here**."

Frequently Asked Questions

What is the purpose of the StarTech ICUSB232SM3 USB to RS232 Adapter?

The StarTech ICUSB232SM3 allows you to connect DB9 RS232 serial devices to your Mac or PC computer through a USB port, effectively bridging the compatibility gap between modern computers and legacy serial peripherals.

How does the ICUSB232SM3 differ from typical USB-to-serial converter cables?

Unlike typical USB-to-serial converter cables, the ICUSB232SM3 features a converter chip on the USB end, allowing for a greater serial DB-9 extension cable (50 ft.+ possible) if needed. This overcomes the 15ft. technical limit of USB cables.

What operating systems are compatible with the ICUSB232SM3?

The ICUSB232SM3 is compatible with various operating systems, including Windows CE 4.2, 5.2, Vista, 7, 8, 8.1, 10, 11, Windows Server 2003, 2008 R2, 2012, 2016, 2019, 2022, macOS 10.6 to 10.15, 11.0, 12.0, 13.0, 14.0, and Linux 2.4.x and up (LTS Versions only).

What is the warranty for the ICUSB232SM3 USB to Serial Adapter?

The ICUSB232SM3 is backed by a StarTech.com lifetime warranty, ensuring its quality and performance.

Can I use the ICUSB232SM3 to connect industrial or automotive sensors and equipment?

Yes, the ICUSB232SM3 is suitable for connecting, monitoring, and controlling industrial/automotive sensors and equipment.

Does the ICUSB232SM3 require any additional power source?

No, the ICUSB232SM3 does not require an external power source; it draws power from the USB connection.

Can I connect barcode scanners, receipt printers, or other point-of-sale devices using this adapter?

Yes, the ICUSB232SM3 can be used to connect barcode scanners, receipt printers, and various point-of-sale devices.

What is the maximum baud rate supported by the ICUSB232SM3?

The ICUSB232SM3 supports a maximum baud rate of 921.6 Kbps.

Can I use the ICUSB232SM3 USB to RS232 Adapter to connect legacy serial peripherals to a modern laptop or desktop computer with a USB port?

Yes, the ICUSB232SM3 USB to RS232 Adapter is designed precisely for this purpose. It allows you to connect older DB9 RS232 serial devices to modern computers that lack integrated RS232 ports, using an available USB port.

Does the ICUSB232SM3 require any special drivers for Windows and macOS?

Yes, for Windows and macOS, you may need to install drivers to ensure proper functionality. You can download the necessary drivers from the StarTech website.

What types of devices or equipment are compatible with the ICUSB232SM3?

The ICUSB232SM3 is compatible with a wide range of serial RS232 equipment, including modems, printers, barcode scanners, servers, PDUs (Power Distribution Units), industrial sensors, automotive equipment, satellite receivers, serial modems, and PDAs with serial sync.

Is the ICUSB232SM3 USB to RS232 Adapter suitable for professional and industrial applications?

Yes, the adapter is suitable for both professional and industrial applications. It can be used by IT administrators to add legacy functionality to newer notebooks, PCs, and servers, making it a versatile solution for various settings.

Reference: [StarTech ICUSB232SM3 USB to RS232 Adapter Specifications and Datasheet-device.report](#)

References

- **[User Manual](#)**