StarTech ICUSB2321F COM Retention Adapter Cable



# StarTech ICUSB2321F COM Retention Adapter Cable **Specification and Datasheet**

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StarTech ICUSB2321F COM Retention Adapter Cable



1 Port FTDI USB to Serial RS232 Adapter Cable with COM Retention

### Product ID: ICUSB2321F

The ICUSB2321F 1-Port USB to Serial RS232 Adapter Cable with FTDI chipset and COM Retention converts an available USB 1.1 or 2.0 port into an RS232 serial DB9 port to connect, monitor, and control your serial devices.

This compact adapter features COM retention, allowing the same COM port value to automatically be re-assigned to the port if the cable is disconnected and re-connected to the host computer, or if the system is rebooted. The ICUSB2321F uses the FTDI chipset which supports additional customization, advanced features, and compatibility not necessarily offered by other solutions.

- Compatibility with a broad list of Operating Systems including Windows, Windows CE, Mac OS, and Linux, makes this product easy to integrate into mixed environments.
- Backed by a <u>StarTech.com</u> 2-year warranty and free lifetime technical support.
- Maintains the device's COM port assignment, which makes it perfect for reconnections without reconfiguration and system restarts.
- Outfitted with the dependable and feature-rich FTDI FT232RL chipset, which enhances compatibility and customization.
- Provides versatility across several platforms by supporting a broad variety of operating systems, such as Windows versions (from CE to 11), macOS, Linux LTS versions, and Windows Server editions.
- May be easily added to your system with a plug-and-play installation that saves time and eliminates the need for an external power source.
- Enables connections to a range of serial devices, including sensors, barcode scanners, and more, by converting USB ports into RS232 serial DB9 ports.
- Supports baud rates of up to 115.2 Kbps, making it appropriate for high-speed data transfer applications.
- The adapter's 6-foot cable and sturdy plastic construction combine robustness and adaptability for a range of working conditions.

- It is a useful tool for professionals who are constantly on the go and for mobile setups due to its small size and single cable design, which improves portability.
- Offers peace of mind and help when needed with a 2-year guarantee and free lifetime technical support from StarTech.com.
- Designed to function reliably in a variety of environmental situations, including a wide range of temperatures and humidity levels.
- The product comes with an instruction manual, a driver CD, and an adapter cable, which are all required parts and details for installation and operation.

# 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 and program LED and Digital signage boards with serial communication ports
- · Connect a satellite receiver, serial modem, or PDU

#### **Features**

- Integrated FTDI USB UART Chip
- Baud Rate up to 115.2Kbps
- · COM Port assignments maintained across reboot
- Powered by the USB port no external power adapter required
- Single cable design for portability
- Designed to make serial port expansion quick and easy
- · Compatible with Windows, Mac OS, and Linux
- 6-foot cable length for connecting to devices without having to be too close
- USB to Straight-Through RS232 Serial Adapter

# **Hardware Specifications**

• Warranty: 2 Years

• Posts: 1

· Interface: Serial

• Bus Type: USB 2.0

Port Style: Cable Adapters
Chipset ID: FTDI – FT232RL

#### **Performance Features**

• Serial Protocol: RS-232

• Max Baud Rate: 115.2 Kbps

Data Bits: 7, 8FIFO: 256 Bytes

• Parity: None, Odd, Even, Mark, Space

• Stop Bits: 1, 2

• MTBF: 836981.2 hours

#### **Connectors:**

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

## **Software Compatibility**

- · OS Compatibility:
  - Windows CE (4.2, 5.0, 6.0)
  - XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10, 11
  - Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
  - macOS 10.6 to 10.15, 11.0, 12.0, 13.0, 14.0
  - Linux Kernel 3.0.x and up (LTS Versions only)

#### **Special Notes / Requirements:**

• System and Cable Requirements: One available USB 1.1 (or better) port

#### Power:

• Power Source: USB-Powered

#### **Environmental Conditions**

• Operating Temperature: 0C to 55C (32F to 131F)

• Storage Temperature: -20C to 85C (-4F to 185F)

• **Humidity:** 5~95% RH

# **Physical Characteristics**

Color: BlackMaterial: Plastic

• Cable Length: 6.0 ft [1.8 m]

• Product Dimensions:

Length: 1.8 in [45 mm]Width: 1.6 in [4.2 cm]Height: 0.9 in [2.2 cm]

• Weight of Product: 3.2 oz [90 g]

# **Packaging Information**

• Package Quantity: 1

• Package Dimensions:

Length: 6.7 in [17.0 cm]Width: 5.7 in [14.4 cm]Height: 1.3 in [32 mm]

• Shipping (Package) Weight: 6.1 oz [172.0 g]

#### What's in the Box:

- 1 USB to RS-232 Serial Adapter
- 1 Driver CD
- 1 Instruction Manual

#### **Contact Information**

# **General Inquiries**

- Phone Number:
  - Tel: +31 (0)20 7006 073Toll-Free: 0800 0230 168

# **Corporate Mailing Address:**

- StarTech.com Ltd.
  - 45 Artisans Crescent London, Ontario N5V 5E9 Canada

# **Frequently Aske Questions**

What is the StarTech ICUSB2321F used for?

The StarTech ICUSB2321F is used to convert an available USB 1.1 or 2.0 port into an RS232 serial DB9 port to connect, monitor, and control serial devices.

<sup>\*</sup>Product appearance and specifications are subject to change without notice.

Does the ICUSB2321F support COM retention?

Yes, it features COM retention, allowing the same COM port values to be re-assigned to the port if the cable is disconnected and re-connected, or if the system is rebooted.

What chipset does the ICUSB2321F adapter use?

The adapter uses the FTDI chipset, specifically the FT232RL, which supports additional customization and advanced features.

Is the ICUSB2321F compatible with various operating systems?

Yes, it is compatible with a wide range of operating systems, including Windows CE, XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10, 11, Windows Server versions from 2003 to 2022, macOS from 10.6 to the latest, and Linux Kernel 3.0.x LTS versions.

What is the warranty period for the ICUSB2321F?

The ICUSB2321F comes with a 2-year warranty backed by StarTech.

What is the maximum baud rate supported by the ICUSB2321F?

The adapter supports a maximum baud rate of 115.2 Kbps.

What is the length of the cable provided with the ICUSB2321F?

The cable length is 6.0 feet (1.8 meters).

What are the physical dimensions of the ICUSB2321F adapter?

The adapter measures 1.8 inches in length, 1.6 inches in width, and 0.9 inches in height.

Does the ICUSB2321F require an external power source?

No, it is USB-powered and does not require an external power adapter.

What items are included in the box with the ICUSB2321F?

The box includes the USB to RS-232 Serial Adapter, a driver CD, and an instruction manual.

Can I use the ICUSB2321F adapter for industrial or automotive equipment?

Yes, it is perfect for IT Administrators to connect, monitor, and control industrial/automotive sensors and equipment.

Where can I find the driver CD for the ICUSB2321F adapter if I lose the original one?

Download This PDF Link: <u>StarTech ICUSB2321F COM Retention Adapter Cable Specification and Datasheet</u>

# References

• User Manual

Manuals+, Privacy Policy