

1 Port Industrial USB to RS232 Serial Adapter with 5KV Isolation and 15KV ESD Protection

Product ID: ICUSB232IS



The ICUSB232IS Industrial USB to Serial Adapter lets you add a galvanically isolated RS232 serial port with ESD protection through a USB port and offers a durable DIN Rail-mountable design.

Ideal for industrial environments, the USB serial adapter features an integrated 5KV galvanic isolation circuit and 15KV ESD protection, to protect costly and often sensitive control equipment against electrical damage. An extended operating temperature range (-30C to 75C) also helps to ensure performance in harsh environments.

For fast communication with serial peripherals, the adapter features an integrated FTDI chipset, supporting baud rates up to 921Kbps. The adapter also features COM retention that automatically retains COM Port assignments, even through a reboot.

The ICUSB232IS serial adapter is compatible with Windows, Windows CE, Mac OS and Linux which makes it easy to integrate into mixed environments.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Certifications, Reports and Compatibility





Applications

- Connect, monitor and control industrial/automotive sensors and other sensitive equipment
- Connect and program LED and Digital signage boards with serial communication ports
- Connect a satellite receiver, serial modem, or PDU

Features

- USB to Straight-Through RS232 Serial Adapter
- Integrated 5000Vrms Galvanic Isolation Circuits
- 15KV ESD protection
- High speed 921.6 Kbps baud rate
- Industrial DIN rail mountable design
- Integrated FTDI USB UART Chip
- USB Powered

Hardware

Warranty	2 Years
Ports	1
Bus Type	USB 2.0
Port Style	Cable Adapters
Chipset ID	FTDI - FT232RL

Performance

Serial Protocol	RS-232
Max Baud Rate	921.6 Kbps
Data Bits	7, 8
FIFO	256 Bytes

Flow Control	None, Xon/Xoff, RTS/CTS
Parity	None, Odd, Even, Mark,Space
Stop Bits	1, 2
Isolation	5KV
Surge Protection	15KV ESD

Connector(s)

External Ports	1 - USB Mini-B (5 pin) 1 - DB-9 (9 pin, D-Sub)
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Software

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 Linux Kernel 3.0.x - 5.4.x (LTS Versions Only)
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Special Notes / Requirements

System and Cable Requirements	Available USB Port
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Indicators

LED Indicators	2 - Tx / Rx Activity
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Power

Power Source	USB-Powered
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Environmental

Operating Temperature	-30C to 75C (-22F to 167F)
Storage Temperature	-40C to 85C (-40F to 185F)
Humidity	5~95% RH (Non-Condensing)

Physical Characteristics

Color	Black
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Material	Plastic
Cable Length	3.3 ft [1 m]
Product Length	3.3 in [8.4 cm]
Product Width	1.7 in [4.2 cm]
Product Height	0.9 in [2.2 cm]
Weight of Product	1.8 oz [50.0 g]

Packaging Information

Package Quantity	1
Package Length	8.3 in [21.1 cm]
Package Width	5.7 in [14.6 cm]
Package Height	1.6 in [4.1 cm]
Shipping (Package) Weight	7.5 oz [212.0 g]

What's in the Box

Included in Package	1 - USB to Serial Adapter
	1 - DIN Rail Bracket
	1 - 1m (3ft) USB Cable
	1 - Driver CD
	1 - Instruction Manual

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