3.3ft (1m) USB to Serial Adapter Cable, COM Retention, Interchangeable Screws/Nuts, USB-A to DB9 RS232, FTDI IC, ESD Protection, Windows/macOS/Linux

Product ID: 1P3FFCB-USB-SERIAL



Add RS-232 serial communication support to USB-A enabled Data Terminal Equipment (DTE - e.g., desktop or laptop), using this 3.3ft (1m) straight through USB to Serial Adapter Cable.

The USB Serial Adapter adds an RS-232 serial DB/DE-9 (male) connector to a desktop or laptop via a USB Type-A port. Secure the adapter to a serial device, using pre-installed and removable slotted D-Sub thumbscrews or install the included DB-9 Nuts for compatibility with other serial peripheral devices or cables.

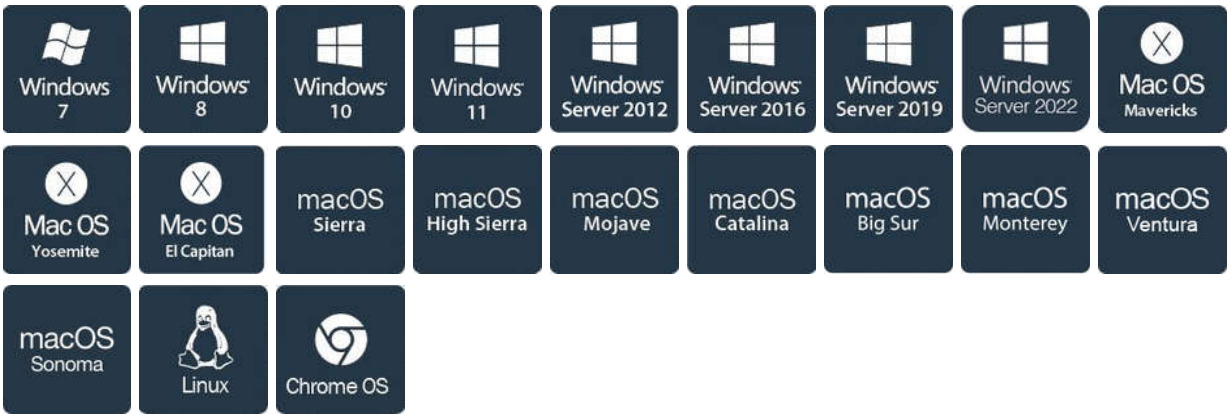
Data transmission and reception LED indicators on the adapter provide real-time monitoring of port activity. The USB LED indicates when the adapter has successfully enumerated on the desktop or laptop. All the LEDs aid with diagnostics and troubleshooting.

The adapter is compatible with Windows, macOS, ChromeOS, and Linux. Drivers automatically install to Windows 7 and newer versions, macOS 10.15 and above, and Linux. The USB to RS-232 adapter features COM retention, which automatically reassigns the COM port value if the cable is disconnected and reconnected, or if the system is rebooted.

The rugged TPE construction and Level-4 ESD protection (15kV air and 8kV contact) enhance the reliability and longevity of the USB to Serial Adapter. Copper shielding minimizes Electromagnetic and Radio Frequency Interference (EMI and RFI). Gold-plated connectors enhance signal conductivity.

Certifications, Reports and Compatibility

RoHS Compliant



Applications

• Add RS-232 capabilities to USB-enabled Data Terminal Equipment (DTE) to connect Data Communication Equipment (DCE) peripherals

• Connect, monitor, and control industrial sensors and equipment

• Connect bar code scanners, receipt printers, and other point of sale devices

• Program LED and digital signage boards with serial communication ports

Features

• INTERCHANGEABLE NUTS & SCREWS: Secure the adapter to a serial device using the pre-installed DB9 screws, or install the included DB9 Nuts for compatibility with serial peripheral devices/cables; Add a DB9 RS-232 port to a computer, using a USB-A port

• LED INDICATORS: Transmit and Receive LED indicators offer real-time monitoring of port activity, while the USB LED indicates when the adapter is successfully recognized by the desktop or laptop

• COMPATIBILITY: Works with Windows, macOS, ChromeOS, and Linux; Drivers auto-install in Windows 7+, macOS 10.15+, and Linux; COM retention enables the COM port to automatically re-assign if the cable is disconnected/reconnected or if the system is rebooted

• BUILD QUALITY: Solid one-piece molded TPE housing and Level-4 ESD protection (15kV air/8kV contact) enhance reliability and longevity; Copper shielding minimizes EMI/RFI interference; Gold-plated connectors; Extended operating temperature of -40C to 80C

• TECH SPECS: 3.3ft (1m) Cable Length; FTDI FT232R Chipset; Max Baud Rate: 921.6Kbps; 128 Byte RX and 256 Byte TX FIFO; Odd/Even/Mark/Space/None Parity Modes; 7 or 8 Data Bits; 1 or 2 Stop bits

Hardware

Warranty	2 Years
Ports	1

	Interface	Serial
	Bus Type	USB 2.0
	Port Style	Cable Adapters
	Industry Standards	USB 2.0/1.1
		RS-232
	Chipset ID	FTDI - FT232R
Performance		
	Serial Protocol	RS-232
	Max Baud Rate	921.6 Kbps
	Data Bits	7, 8
	FIFO	128 Byte RX Buffer
		256 Byte TX Buffer
	Parity	Even, Odd, None, Space, and Mark
	Stop Bits	1, 2
Connector(s)		
	Connector A	1 - USB 2.0 Type-A (4 pin, 480Mbps)
	Connector B	1 - 9 pin D-Sub (DB-9) Male
Software		
	OS Compatibility	Windows 7, 8/8.1, 10, 11
		Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022
		macOS 10.9 to 10.15, 11.0, 12.0, 13.0, 14.0
		Linux 4.15.x and up - LTS Versions only
		Chrome OS
Special Notes / Requirements		
	System and Cable Requirements	Computer with a USB Type-A Port version 1.1 or greater
Indicators		
	LED Indicators	1 - Data Receive LED: Flashes Green to indicate activity

		1 - Data Transmit LED: Flashes Yellow to indicate activity
		1 - USB LED: Solid Blue to indicate driver has been installed, and USB connection enumerated
Power		
	Power Source	Bus Powered
Environmental		
	Operating Temperature	-40C to 80C (-40F to 176F)
	Storage Temperature	-40C to 80C (-40F to 176F)
	Humidity	0% ~ 95% RH (non-condensing)
Physical Characteristics		
	Color	Black
	Cable Length	3.3 ft [1 m]
	Product Length	3.3 ft [1.0 m]
	Product Width	1.3 in [3.4 cm]
	Product Height	0.6 in [1.6 cm]
	Weight of Product	1.9 oz [55.0 g]
Packaging Information		
	Package Quantity	1
	Package Length	7.9 in [20.0 cm]
	Package Width	8.7 in [22.0 cm]
	Package Height	1.0 in [2.5 cm]
	Shipping (Package) Weight	3.0 oz [84.0 g]
What's in the Box		
	Included in Package	1 - USB to Serial Adapter
		2 - DB9 Nuts

Product appearance and specifications are subject to change without notice.