RS232 to TTL Serial Converter - DB9, F/M

Product ID: IC232TTL

This RS232 to TTL converter lets you connect devices that use RS232 serial ports to devices that only communicate using transistor-transistor logic (TTL) signals. It's a convenient and cost-effective solution to convert RS232 into TTL, so you can connect equipment together based on your devices signal requirements.

This serial converter is ideal for short distance communication between two devices, and can be used to connect your computer to microcontroller-based embedded systems and industrial robotics. The reliable converter easily turns high voltage (-12 to +12V) RS232 signals into low voltage (0 to +5V) TTL signals, and provides bidirectional data communication at baud rates up to 115.2 Kbps.

With a small-footprint design and no software or drivers required, you can easily pair your TTL equipment with virtually any device that features an RS232 DB9 serial port, such as computers, and industrial control equipment. Plus, if your host device doesn't feature a native RS232 port, this versatile converter can be coupled with a USB to RS232 serial adapter (SKU: ICUSB232D - sold separately).

The converter delivers dependable performance at extended operating temperatures (-40C to 85C), so it integrates nicely into a variety of workplace settings.

The IC232TTL is backed by a StarTech.com 2-year warranty and free lifetime technical support

Certifications, Reports and Compatibility

Applications

• Ideal in factories where TTL signals are used in microcontroller and embedded electronic equipment

• Connect with equipment that only communicates using TTL signals, from your source RS232 device

• Monitor and control industrial and automotive sensors and devices

Features

• Provides simple RS232 to TTL serial connectivity

• Supports bidirectional communication at baud rates up to 115.2 Kbps

• Fast, hassle-free setup with no drivers or software required

• Small footprint, compact design

• Rugged design with an extended operating temperature range

Hardware

	Warranty	2 Years
	Ports	1
	Interface	Serial
	Port Style	Cable Adapters
	Industry Standards	RS232
		TTL (Transistor-transistor logic)
		EIA/TIA
	Chipset ID	Texas Instruments - CD4093

Performance

	Maximum Cable Length	16.4 ft [5 m]
	Serial Protocol	RS-232 / TTL
	Max Baud Rate	115.2 Kbps
	Data Bits	7, 8
	Flow Control	Software flow control
	Parity	None, Odd, Even, Mark, Space
	Stop Bits	1, 1.5, 2

	Full Duplex Support	Yes

Connector(s)

	Connector Type(s)	1 - DB-9 (9 pin, D-Sub)
		1 - DB-9 (9 pin, D-Sub)

Special Notes / Requirements

	System and Cable Requirements	Available RS232 DB-9 Serial Device / Port
		Available TTL DB-9 Serial Device / Port

Environmental

	Operating Temperature	-40C to 85C (-40F to 185F)
	Storage Temperature	-40C to 85C (-40F to 185F)
	Humidity	5~95% RH

Physical Characteristics

	Color	Black
	Material	Plastic
	Product Length	2.5 in [63.0 mm]
	Product Width	1.3 in [3.4 cm]
	Product Height	0.6 in [1.5 cm]
	Weight of Product	0.8 oz [22.0 g]

Packaging Information

	Package Quantity	1
	Package Length	6.7 in [17.1 cm]
	Package Width	5.6 in [14.2 cm]
	Package Height	1.3 in [32.0 mm]
	Shipping (Package) Weight	2.9 oz [81.0 g]

What's in the Box

Included in Package	1 - RS232 Serial to TTL Converter
	1 - Instruction Manual

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