

The USB-232TTLMOS-IS USB to serial conversion cable is designed for PC, thin client, or server to provide an instant TTL/CMOS RS232 port expansion via the Universal Serial Bus (USB).

The [USB-232TTLMOS-IS](#) provides a USB to RS232 port with 5V/3.3V TTL/CMOS compatible Logic levels. The RS232 signals include TXD, RXD, and GND.

The product is powered by the USB bus power so it does not need any DC power from an external AC Power Adapter. The TTL/CMOS RS232 signals were presented on the 5-pin Terminal Blocks.



USB to RS232 Isolated TTL/CMOS Adapter

Pin# of 5-Pin Terminal Block	Signals (TTL/CMOS) Levels
1	TXD (output)
2	RXD (input)
3	VOUT (Output TTL/CMOS Power)
4	VIN (Input TTL/CMOS Power)
5	GND (Ground for TTL/CMOS)

The USB-232TTLMOS-IS provides the scalability to quickly adapt to new USB technologies. Multiple modules can be added to a single USB interface allowing you to add instant connectivity as needed. Complete product line offer many choices help you to expand and make your applications grow rapidly.

Features

- Provides 1 TTL/CMOS RS232 Serial Port over USB Port
- Supports 3-Signal TTL/CMOS RS232 Conversion: (TXD, RXD, GND)
- The 2,500Vrms Isolation Model is Available
- Supports a 5-pin Terminal Blocks for TTL/COMS Signal Wiring
- 5V/3.3V Logic Level Selectable by DIP Switch
- Signal Levels are Similar to Standard RS232 but in TTL/CMOS Swing Level
- Supports 2,500Vrms Isolation for TTL/CMOS Signals
- Easy Serial Port Expansion over USB Port
- USB1.1 and USB2.0 Forward Compatible
- Built-in FTDI USB UART Chip
- Supports Serial Speed from 300bps to 921.6Kbps
- Supports 7,8 Data Bits
- Odd, Even, Mark, Space, None parity mode
- Supports 1, or 2 Stop Bits
- Supports XP, 7, 8, 10, CE, 2000, 2003, 2008
- Win 7, Vista, Win 8, 10 Linux and Mac OS



USB Port:

Fully compatible with USB1.1 and Forward Compatible with USB 2.0

TTL/CMOS Serial Port

Supports one 5-pin Terminal Block TTL/CMOS RS232 Serial port, the key benefits are:

- ✓ **Logic Levels:** Selectable by a DIP Switch
- ✓ **Supports 2,500Vrms Isolation for TTL/CMOS Signals (TXD, RXD, GND)**
- ✓ **Data Bits:** 7, 8
- ✓ **Stop Bits:** 1, 2
- ✓ **Parity:** None, Odd, Even, Mark, Space
- ✓ **Baud Rate:** 300bps to 921.6Kbps

OS Support

Win XP, CE, 2000, 2003, Vista, Win 7, 8, 10, Linux and Mac OS

Power Requirements

- USB Bus Powered, no External Power Supply Needed.

Environmental:

Operating Temp.: -40 to 85°C (-40 to 185°F)

Storage Temp: -40 to 85°C (-4 to 185°F)

Operating Humidity: 5 to 95% RH

Form Factor

1.77" (L) x 1.65" (W) x 1.15" (H) (4.49 x 4.18 x 2.20 cm)

Other Available Models:

Model No.	TTL/CMOS Interface	Chip
MG-14623	5V/3.3V/2.5V/1.8V, non-Isolated	FTDI

