

## Isolated USB to RS-232 / RS-422 / RS-485 Adapter (DB-9 Male)

The Isolated USB to serial interface adapter features 2.5kV isolation to ensure these serial devices by DB-9 port connected require long range or multi-drop capabilities won't be damaged between the PC and serial applications. All configuration and electrical interface selections are handled through the driver, eliminating the need to open the enclosure to set jumpers or switches. The serial port is software configurable for RS-232, RS-422, and RS-485 with the electrical interface settings maintained locally, allowing the host computer to be repaired or upgraded without reconfiguring the serial port. Additionally, the isolated adapter can be configured at one computer and deployed to other computers.

### Features

- Full compliance with the USB Specification 2.0 & 1.1
- Enables to configure RS-232 / RS-422 / RS-485 (Echo mode / Bias resistor / Terminal resistor) thru application programmer of Windows OS.
- Supports 2.5kV Isolation; Bus powered, no external power required
- Data transfer rate up to 230 kbps ( RS-232 ) ~ 3 M Baud Rate ( RS-422 or RS-485 )
- Supports  $\pm 15\text{kV}$  (air),  $\pm 8\text{kV}$  (contact) ESD protection; Isolated ground loops
- Supports 40A (5/50ns) & Peak Pulse Power 250 W ( 8/20 us ) Surge and Transient spikes protection
- Compatible with Windows XP SP3 / Vista / 7 / 8 / 8.1 / 10 / 11; Windows Server 2003 / 2008 / 2008R2 / 2012 / 2012R2; Mac OS 8.6, Linux 1.5.0 or higher
- Rugged & cambered Aluminum shell and wall mountable

Model No.		UTS-31DBi	DB-9 Male Pin Assignment			
Chip		FTDI	RS-232		RS-422	RS-485
Data Rate	RS-232	230 Kbps	Pin No.	Definition	Definition	Definition
	RS-422 / RS-485	3 M Baud Rate	1	DCD	RX-	
LED		3 ( TX / RX / PWR )	2	RXD	TX+	D+
Connector	Host	USB Type B Female	3	TXD	RX+	
	Serial Out	DB-9 Male	4	DTR	CTS-	
USB Specification		USB 1.1 / 2.0 compliant	5	GND	GND	GND
Operating/Storage Temperature		-40 to 85°C (-40 to 185°F)	6	DSR	TX-	D-
Power Mode		Bus powered	7	RTS	RTS+	
Housing		Aluminum	8	CTS	CTS+	
Dimension ( L x W x H )		90 x 73 x 31mm	9	RI	RTS-	

