

# USB400

## Serial RS422 / RS485 to USB bus adapter



Screwdriver  
included

- RS422 & RS485 serial interface
- Speed up to 921.6 Kbps, full duplex
- RS485 automatic line direction control
- Support for 4-wire RS422/RS485 and 2-wire RS485
- 2 LEDs for independent TxD & RxD signaling
- Host bus powered
- Hot "Plug & Play", USB 1.1 full speed (2.0 compatible)
- Standard COM ports full compatible
- 15 KV ESD protection and HF filtering
- Robust & compatible aluminium case (dongle), CE standards



## Introduction

The new range of serial to USB solution offers performance, simplicity of installation, security, robustness and high reliability at affordable prices.

USB400 is enclosed in a compact aluminum case (dongle format), it features an industrial 2-4 wire RS422 / RS485 serial interface with 5-point screw-in terminal block.

USB400 installation is quite simple as the product is instantly plug & play, it doesn't require any IRQ, DMA or I/O port resources.

Installed serial ports are considered by Windows 9x, Windows 2000, Windows XP operating systems as computer's standard COM ports.

## Technical characteristics overview

<b>Interfaces</b>	One RS422 / RS485 asynchronous serial ports for USB bus
<b>RS signals</b>	RS422 mode: A, A', B, B' & GND - RS485 mode: AA', BB' & GND
<b>Format</b>	Asynchronous 5, 6, 7 or 8 bits per character 1, 1½, 2 stop bits Even, odd, mark, space or no parity
<b>Data rate</b>	From 50 to 921.6 Kbps
<b>FIFOS</b>	32 bytes
<b>Hand-shake</b>	Hardware hand-shake (RTS/CTS) and/or software hand-shake (XON/XOFF) with automatic line direction control in the RS485 mode.
<b>RS connectors</b>	5-point screw-in terminal block
<b>Protection</b>	15KV ESD protection with HF signal filtering, industrial CE conformity
<b>Signaling</b>	2 LEDs to monitor TxD & RxD signals activity, one LED for power supply
<b>Power supply</b>	Powered from USB bus
<b>Operating systems</b>	Windows 9x, Windows 2000, Windows XP
<b>Consumption</b>	0.4 W maximum
<b>Configuring</b>	« Plug & Play » equipment, quick & easy Windows installation, RS422 / RS485 mode, polarization and line termination are switches configurable.
<b>EMC</b>	NF EN 55022 residential emission, NF EN 61000-6-2 industrial immunity
<b>Environment</b>	Operating temperature from -5°C to +65°C, storage -40°C à +80°C, 0 to 95% relative humidity without condensation
<b>Installation</b>	« Dongle » format, shipped with a 2 meter A/B type USB cable
<b>Dimensions &amp; weight</b>	73 mm (L) x 25 mm (W) x 21 mm (H), 36 g
<b>Accessories</b>	Screwdriver to screw-in the RS422/485 cable in the terminal block

## Ordering references

USB400	One RS422 / RS485, USB bus powered, shipped with 2 m A/B type USB cable
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