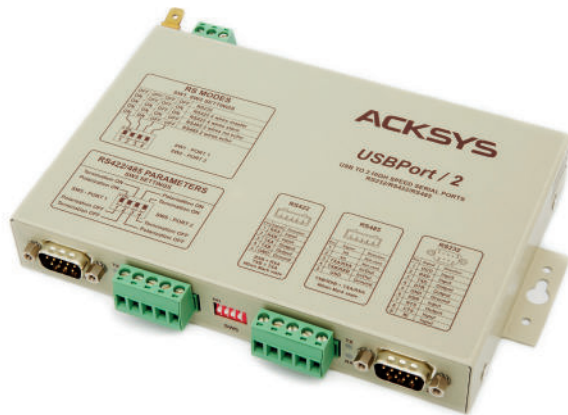


# USBPort/2 & USBPort/4

## Isolated RS232/RS422/RS485 USB serial Hub



- 2 or 4 ports 3-in-1 serial interface : RS232/RS422/RS485 (1500V isolation)
- Data rate from 300 Kbps to 3 Mbps on each port
- RS485 automatic line direction control
- Support for 4-wire RS422/RS485 and 2-wire RS485
- Independent TxD & RxD signalling for each port
- USB bus powered or from an external power source (+9VDC to +36VDC)
- Hot "Plug & Play" support, USB 2.0 full speed and USB 1.1 compliant
- Standard COM ports full compatible
- 15 KV ESD protection and HF filtering
- Robust & compact metal case, CE standards, cabinet or 35 mm Din Rail mounting



## Introduction

This range of serial to USB solution (USBPort/x) offers performance, simplicity of installation, security, robustness and high reliability at affordable prices.

USBPort/x is proposed in two models : 2 and 4 isolated port with 3 in 1 serial interface RS232, RS422 & RS485 in order to cover all technical requirements of industrial environments.

USBPort/x 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 2000, 2003, XP, VISTA, SEVEN & Linux operating systems as computer's standard COM ports.

USBPort supports up to 3 Mbps over the serial link. A decimal divider makes it possible to obtain non-standard highly accurate baud-rates.

## Technical characteristics overview

<b>Interfaces</b>	2 or 4 RS232 / RS422 / RS485 asynchronous serial ports for USB 2.0
<b>RS signals</b>	RS232 mode : TxD, RxD, RTS, CTS, DCD, DTR, RI & GND 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 300 Kbps to 3 Mbps on each port
<b>FIFOS</b>	TX: 128 bytes, RX: 384 bytes on each port
<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 for each RS422/RS485 port, male SUB D9 connector for RS232
<b>Protection</b>	15KV ESD protection with HF signal filtering, CE standards
<b>Isolation</b>	1500Vrms optic isolation on RS422/RS485 serial ports
<b>Signaling</b>	2 LEDs per port to monitor TxD & RxD signals activity, one LED for power supply
<b>Power supply</b>	USB bus powered of from an external power source (+9 to +36VDC) on jack or Phoenix connector. USBPort/x enables to chain other USB devices and thus power other USB equipments from the product.
<b>Operating systems</b>	Windows 2000, 2003, XP, VISTA, SEVEN and Linux (please consult us for other OS)
<b>Consumption</b>	2.5W for the 2-port version, 3.5W for the 4-port version
<b>Configuring</b>	« Plug & Play » equipment, quick & easy Windows installation, RS232 / 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 -40°C to +70°C, storage -40°C to +80°C, 0 to 95% relative humidity without condensation
<b>Installation</b>	Metal case for panel mounting, 35 mm Din Rail mounting accessories available optionally
<b>Dimensions</b>	USBPort/2: 168 mm (L) x 112 mm (W) x 26 mm (H) USBPort/4: 168 mm (L) x 112 mm (W) x 42 mm (H)
<b>Weight</b>	445 g for the 2-port version, 610 g for the 4-port version

## Ordering references

USBPort/2	Isolated 2-port RS232/RS422/RS485 serial Hub, power from USB bus or from an external power source +9VDC to +36VDC, 2 meter USB type A/B cable provided
USBPort/4	Isolated 4-port RS232/RS422/RS485 serial Hub, power from USB bus or from an external power source +9VDC to +36VDC, 2 meter USB type A/B cable and PWS-12 supplied
PWS-12	Optional external power source (+12VDC / 5.5W) for USBPort/2 (required when chaining several devices on the same USB port or when the USB HUB delivers less than 500 mA)

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