



RS-USBX

RS485/RS422/TTL serial interface for PC



MAIN FEATURES

RS-USBX is a programmable serial PC interface which allows to connect a PC to a serial line with RS485, RS422 or TTL communication standards by means of a USB port.

SUPPLY

Standard supply includes:

- RS-USBX interface
- USB 2.0 cable
- Software (libraries, CAN tools, code samples)
- Complete PDF documentation

SOFTWARE

Furnished software includes:

- Driver and API libraries for interfacing RS-USBX to application software
- Serial line dump tool (VisualBasic source files are included)
- Tool for data exchange with Modbus RTU slave (VisualBasic source files are included)
- Firmware download tool

RS-USBX is a particularly flexible and efficient serial PC interface. Connection is managed by a powerful microcontroller (16-bit, 40-MHz) which is endowed with a broad data buffer.

Serial connection

- Opto-isolated connection for all kinds of connection (RS485, RS422 and TTL)
- Internal termination resistor
- 9-pin female connector
- Programmable baud rate (1200-bit/s up to 500-kbit/s)

PC connection

- Device drivers for Windows (from 98 to Windows 7)
- USB 2.0 interface
- USB cable

Software

- Libraries allow the whole management of the serial connection (baud rate, line setting, full-duplex/half-duplex)
- OLE interface allows immediate integration with the most widespread languages (C, Basic, Delphi, etc.) and high level application software (e.g. NI LabView, MS Office, etc.)
- Support of concurrent connection of several applications
- Tool CanDiagno for monitoring and sending messages on the CAN line (VisualBasic source files are included)

Optional firmware

The following firmware may be loaded on RS-USBX interface:

- IEC 61131-3 PLC run-time which allows to execute PLC applications on the interface (LogicLab development environment)
- Embedded master Modbus RTU with the relative PC driver for managing industrial Modbus networks