The SA-8PX-IS 8-port RS232/422/485 to USB2.0 Module Box is designed for your PC, workstation, thin client, or server to provide instant RS232/422/485 Serial port expansion via the Universal Serial Bus (USB). It supports applications that need some combinations of RS232, RS422 and RS485 in one single USB port.

It supports screw lock features for the upstream (USB type B) and downstream (type A) connectors with the screw lock USB cables. It prevents from disconnecting the USB cables accidentally.

The SA-8PX-IS 8 provides the scalability to quickly adapt to new USB technologies. Multiple modules can be added to a single USB interface allowing you to add RS232/422/485 connectivity as needed. Complete product line offer many choices help you to expand and make your network grow with your requirements.

The SA-8PX-IS 8 is compatible with new and legacy RS232/422/485 devices. It is easy to install and use with its plug-and-play feature.

With the USB Plug-and-Play feature and drivers, simply follow the instructions of Install Wizard, and then you are done. The terminal blocks enable you easily install your wires for different devices straightforwardly. The SA-8PX-IS 8 is an ideal solution for your expanding applications and making a big success in your projects.

Features & Specifications

Features

- USB 2.0 High Speed (480Mbits/Second) and Full Speed (12Mbits/Second) Compatible
- Supports 8 RS232/422/485 Combo Serial Ports
- RS232 Supports 3-wire Signals (TXD, RXD, GND)
- Supports 4-wire RS422/485 and 2-wire RS485 Modes
- Supports RS485 Auto Transceiver Turn Around by Unique Featured ATTA^{TM} Hardware
- 128-byte deep FIFO per transmitter and receivers
- Each Serial Port Supports 7-pin Lock-type Terminal Blocks
- Supports one Downstream USB2.0 Port for Daisy-chain Expansion Modules
- Supports Baud Rate up to 921.6Kpbs
- Isolated and 15KV ESD Surge Protection
- Supports Win2000, XP, 2003, 2008, Vista, Win 7, and Linux

Specifications

USB 2.0 Port
USB 2.0 High-Speed (480Mbits) and Full-Speed (12Mbits) compatible, backward compatible with USB 1.0 and USB 1.1, the USB connector incorporated the screw lock mechanism.

Serial Ports
Provides 8 7-pin terminal block connector RS232/422/485 ports, the key benefits are:

- **Connectors:** 8 7-pin lock type Terminal Block Connectors
- **LEDs:** Supports LED Indicators for TXD and RXD Signal Activity
- **Interface:** 4 modes: 3-wire RS232, 4-wire RS422 (TXD+/-, RxD+/-). 4-wire RS485 (TxD+/-, RxD+/-). 2-wire RS485 (Data+/-)
- **Parity:** None, Even, Odd
- **Data bits:** 5,67,8,9 bits Data Frames
- **Speed:** up to 921.6Kbps
- **Terminator:** 120 OHM, can be Enabled/Disabled by DIP Switches
- **ATTA^{TM}:** Auto RS485 Transmitter buffer direction

control by the ATTA^{TM} Hardware. Guarantee Fast Turn around the Transceiver.

- **Power:** The Module Box should be powered by its 2-pin Terminal Block Connector

I/O Hardware

- 8 7-pin Terminal Block Connectors
- 1 Up Stream and 1 Down Stream USB2.0 Ports
- 1 2-pin Terminal Block Power Input Connector

OS Support

Windows 2000, XP, 2003, 2008, Vista, Win 7 and Linux

Environmental Specifications

- *Operating Temperature:* 0 to 55°C (32 to 131°F), 10% to 90% relative humidity (non-condensing)
- *Storage Temperature:* -40 to 75°C (-40 to 167°F), 5% to 95% relative humidity (non-condensing)

Form Factor (without ears and connectors)

9.68" (L) x 3.37" (W) x 0.91" (H) (24.60cm x 8.57 x 2.32cm)