



## **USB-COM-SI-M USB to RS-232 Adapter (with Optical Isolation & Surge Protection)**

The USB-COM-SI-M USB-to-Optical isolated RS-232 Serial Adapter is designed to make serial port expansion quick and simple. Connecting to a USB port on your computer or USB hub, the USB Serial Adapter instantly adds a high speed RS-232 serial communication port to your system. By taking advantage of the USB bus, the USB Serial Adapter makes it easier than ever to add serial ports and serial devices to your system with easy plug-and-play and hot plug features.

By plugging the USB Serial Adapter to the USB port, the adapter is automatically detected and installed. There are no IRQ & COM port conflicts, since the port don't require any additional IRQ, DMA, memory as resources on the system. The adapter is powered by the USB port, and no external power adapter is required.

The adapter is with DIN rail bracket for industrial environment. Three monitoring LEDs are on the upper case indicating the power status and TX/RX port status for easy diagnostics.

Optical isolation and surge protection are available to USB-COM-SI-M. The serial line of RS-232 port is optically isolated with 2000 volt DC optical isolation. The optical isolation protects your PC from spikes and surges on the RS-422/485 network, by converting the electrical pulse into an optical signal and then changing it back into an electrical pulse. The surges and spikes cannot cross the optical link.

The adapter is built-in surge protector to withstand electrostatic discharge and power surges up to 25KV ESD.

The USB-COM-SI-M USB to Optical isolated Serial Adapter provides instant connectivity with modems, ISDN TAs, PDAs, handheld & pocket PCs, digital cameras, POS, serial printers. It is suitable for remote access, retail and industrial applications, data collection and other applications requiring high speed RS-232 serial communication port. The USB-COM-SI-M USB to Industrial RS-232 port provides industrial solution of a reliable & fast RS-232 port for harsh environment. Complete drivers support Windows XP, 2003, 2000, ME and 9x.



## Features & Specifications

- Model No.: USB-COM-SI-M
  - Adds one optical isolated serial port by connecting to USB port
  - Installed as standard Windows COM port
  - 2000V DC optical isolation protection
  - 25KV ESD surge protection
  - Full RS-232 modem control signals
  - RS-232 data signals: TxD, RxD, RTS, CTS, DSR, DTR, DCD, RI, GND
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- FIFO: 128 byte transmit buffer  
384 byte receive buffer
  - Serial port speed up to 230K bps
  - One DB9 male connector
  - Full hardware and software flow control
  - 2KV DC optical isolation protection
  - ESD surge protection (25KV)
  - Monitor LEDs of Power, TxD, RxD indicating power & port status
  - Serial Communication Parameters
    - Parity: None, Even, Odd
    - Data bits: 7, 8
    - Flow control: RTS/CTS
  - USB cable of 0.9 meter included
  - Powered by USB port. No external power adapter required.
  - Easy plug & play installation and RS-232/RS-422/RS-485 device connection
  - Works with USB 1.1 & 2.0 host port
  - SECC sheet metal chassis with DIN rail bracket
  - Dimensions: 57mm x 76mm x 23mm  
82mm x 76mm x 23mm (with DIN rail bracket)
  - COM Port Number can be changed to COM1 to COM4 to support HyperTerminal, or any other COM port number required
  - Supports Windows XP, 2003, 2000, ME and 9x