



USB-2COMi-M USB to Dual RS-422/485 Adapter

The USB-2COMi-M USB-to-Dual RS-422/485 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 two RS-422, or RS-485 serial communication ports 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 ports don't require any additional IRQ, DMA, memory as resources on the system. The adapter is bus-powered, and there is no need for external power adapter to be used..

The adapter is designed with two external 4-pin dip switches to set RS-422 or RS-485 mode conveniently, without the need to open the metal chassis. Both 6-pin terminal block connectors and DB9 male connectors are available for optimal flexibility for serial connection. Each port can be independently set to RS-422 or to RS-485, depending on your requirement in application. The adapter is with DIN rail bracket for industrial environment. Termination and biasing option are available for data transmission lines.

The adapter is built-in surge protector to withstand electrostatic discharge and power surges up to 15KV ESD.

The USB-to-Dual RS-422/485 Adapter provides instant connectivity to RS-422 or RS-485 communication devices for POS, factory automation equipment, multi-drop data collection devices, bar code readers, time clocks, scales, data entry terminals, PC to PC long distance communications, ATMs and serial data communication in harsh environments. The USB-2COMi-M USB to two Industrial RS-422/485 communication ports provides industrial solution requiring single node or multi-drop communications over short and long distance.

Complete drivers support Windows XP, 2003, 2000, ME and 9x.



Features & Specifications

- Model No.: USB-2COMi-M
- Adds two RS-422, or RS-485 serial ports by connecting to USB port
- Installed as standard Windows COM ports
- 15KV ESD surge protection

- RS-422 data signal: Tx-, Tx+, Rx+, Rx-, GND, RTS-, RTS+, CTS+, CTS-
- RS-485 data signal:
4-wire: Tx-, Tx+, Rx+, Rx-
2-wire: data-, data+
- FIFO: 128 byte transmit buffer
384 byte receive buffer
- Serial port speed up to 230K bps
- Two DB9 male connectors & two 6-pin terminal block connectors
- Full hardware and software flow control
- Automatic transmit buffer control for 2-wire RS485 half-duplex operation
- ESD surge protection (15KV)
- Monitor LEDs of Power, TxD, RxD indicating power & port status
- Two external dip switches for easy RS-422 or RS-485 mode settings
-no need to open chassis to set the mode
-RS-422 mode: 4-wire with handshaking ON, ON, OFF, OFF
-RS-485 mode: 4-wire full duplex ON, OFF, OFF, OFF, OFF
-RS-485 mode: 2-wire half duplex with echo OFF, OFF, OFF, ON
-RS-485 mode: 2-wire half duplex without echo OFF, OFF, ON, ON
- Serial Communication Parameters
-Parity: None, Even, Odd
-Data bits: 7, 8
-Flow control: RTS/CTS
- Built-in 120 Ohm termination resistors for Tx/Rx/CTS termination
- Built-in 750 Ohm biasing resistor for Tx/Rx biasing
- USB cable of 0.9 meter included
- Bus-powered. No external power adapter needed.
- Easy plug & play installation and RS-422/RS-485 device connection
- Works with USB 1.1 & 2.0 host port
- SECC sheet metal chassis with DIN rail bracket
- Dimensions: 115 mm x 84 mm x 25 mm
137 mm x 84 mm x 25 mm (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