**USB to RS232/RS485/ RS422 Converter**          **UP-USB-1**

## USB to RS232 interface converter

## ➢ Features

- Support USB to RS-232 Converter;
- Fully compliant with USB 2.0 specification;
- Support multiple operating systems such as WIN98/2000/XP;
- Plug and play (hot-pluggable);
- Support remote wake up and power management;
- Supports high-speed serial data rates: 300 to 115200bps;
- Unique serial protector circuit, anti-static, anti-lightning strike, surge suppression function;
- USB port powered, no external power is required;
- Warranty:3years

## ➢ Introduction

The UP-USB-1 is an USB to RS-232 converter with power supply from USB port that no need external power supply, which can be used to convert any standard USB port into a three-wire RS-232 port, adopt unique serial protection circuit, static & lightning & protection and surge suppression effectively avoid damage caused by lightning strikes, surges and other factors.

UP-USB-1 supports serial data rates up to 115,200bps, auto-sensing and self-adjusting, no DIP switch or jumpers are required, which widely used in intelligent power management, power system automation, water conservancy monitoring, industrial automation, distributed data acquisition and other occasions.

## ➢ Application Industries

- Industrial Automation
- Intelligent transportation supervisory system (ITS)
- Long-distance broadcast television transmission system
- Electric Power Industry
- Rail transportation industry
- Power system automation
- Water conservancy monitoring
- Distributed data acquisition

## ➢ Specification

| Technical parameters | |
|---|---|
| Standard | Meet USB 2.0 standard |
| | Compliant with EIA RS-232 standards |
| Connector | USB: USB female |
| | Serial port: DB9 |
| Baud Rate | 300bps~115.2Kbps |
| **LED Indicator** | |
| Power indicator | POW(Red): Always light up when the power is connected properly |
| Serial port Indicator | Flashes when data is being sent or received |
| **Power** | |
| Power Supply | Powered by the USB interface |
| Interface | USB female |
| Power consumption | ≤1W |
| **Physical Characteristics** | |
| Shell | DB9 plastic case |
| Dimension | 47mm×9mm×34mm |
| Weight | 90g |
| **Transmission distance** | |
| Serial port line | RS-232, 15m@9600bps |
| **Working Environment** | |
| Working Temp | -40~85°C |
| Storage Temp | -40~85°C |
| Relative Humidity | 5%~95% (no-condensation) |
| **Warranty** | |
| Warranty | 3 Years |
| Certification | CE, FCC, RoHS |

## ➢ Ordering Information

| Model NO. | Description |
|---|---|
| UP-USB-1 | USB to RS-232 Converter |
| UP-USB-2 | USB to RS-485/422 Converter |
| UP-USB-4 | Industrial USB to RS232/RS485/ RS422 interface converter |

## ➢ Packing List

- USB to RS-232 Converter *1
- User manual * 1
- Certificate of quality * 1
- Warranty card * 1