

# USB-4604B

# USB-4604BM

## 4-port RS-232 Serial to USB Converter with ESD Surge Protection

## 4-port Serial to USB Converter with ESD Surge Protection



### Features

- Full compliance with USB V1.1 and V2.0 specifications
- RS-232/422/485 port supported
- Transmission speed up to 921.6 kbps
- Automatic RS-485 data flow control
- Bus-powered; no need for external power supply
- Plug & Play installation
- No additional IRQs or I/O ports required
- Hot swap function supported

### Introduction

USB-4604 series allows PC users to connect a serial device to a system that use a USB interface. To attach the USB-4604B/4604BM to a PC, you don't need to open the chassis or power down your PC. Instantly get extra high-speed RS-232/422/485 ports. The power is derived from the USB port, so there are no power adapters to deal with. This makes the USB-4604B/4604BM especially suitable for modems, printers, POS systems and industrial control devices.

Supporting USB2.0 high speed, USB-4604B/4604BM features several powerful functions such as high-speed 921.6 kbps transmission, support for various operating systems, independent RS-232/422/485 ports and more. By simply plugging in a USB hub, USB-4604B and USB-4604BM eliminates the configuration issues associated with high-priced, older card solutions. You only have to install the drivers, no need to set cards slots, IRQ addresses, DMA channels, or device addresses. This reduces programming effort.

### Specifications

#### General

- **Certifications** CE, FCC (Class A)
- **Connectors** 1 x USB Type B (Type A to Type B cable provided)  
4 x DB9
- **Enclosure** ABS+PC
- **USB Cable** Max. 15ft (4.6 m)

#### Insert

- **Power Input** 10 to 48 V<sub>DC</sub> (external) or 5 V<sub>DC</sub> (Bus powered)
- **Power Consumption** 130 mA @ 5 V (Typical)  
200 mA @ 5 V (Max.)

#### Communications

- **Data Bits** 5, 6, 7, 8
- **Parity** None, Odd, Even, Space, Mark
- **Stop Bits** 1, 1.5, 2
- **Transmission Speed** Up to 921.6 kbps

#### Protection

- **EFT Protection** 2,500 V<sub>DC</sub>
- **ESD Protection** IC Embedded 16KV

#### Mechanism

- **Dimensions** 132 x 80 x 32 mm
- **Enclosure** ABS+PC
- **Mounting** DIN-rail, panel

#### Software

- **Driver Support** Windows 2000/XP/2003, Windows CE 5.0

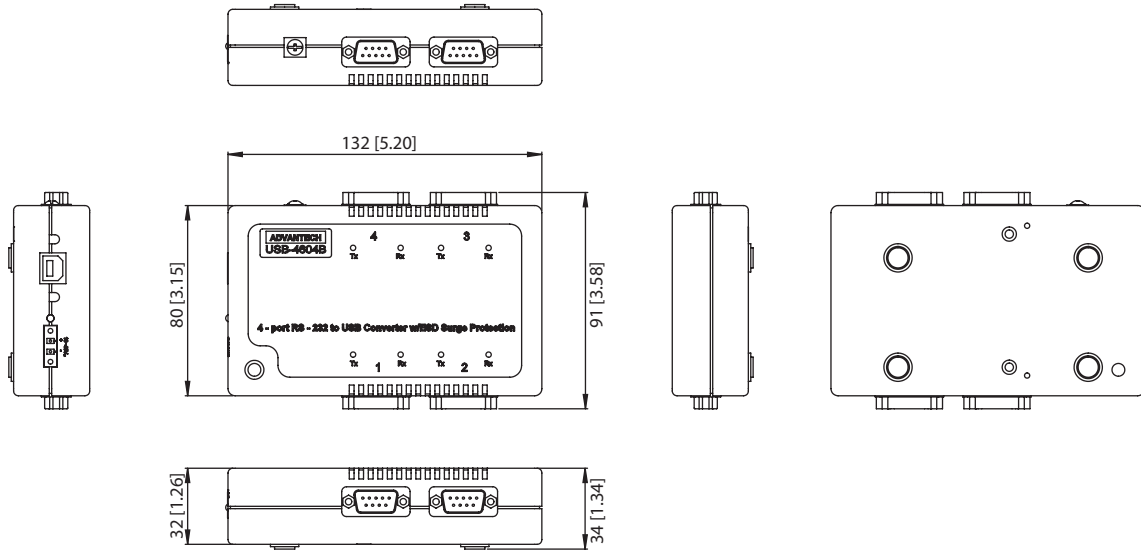
#### Environment

- **Operating Temperature** 0 ~ 55° C (32 ~ 131° F)
- **Storage Temperature** -25 ~ 80° C (-13 ~ 176° F)
- **Operating Humidity** 20 ~ 95% RH

## Dimensions

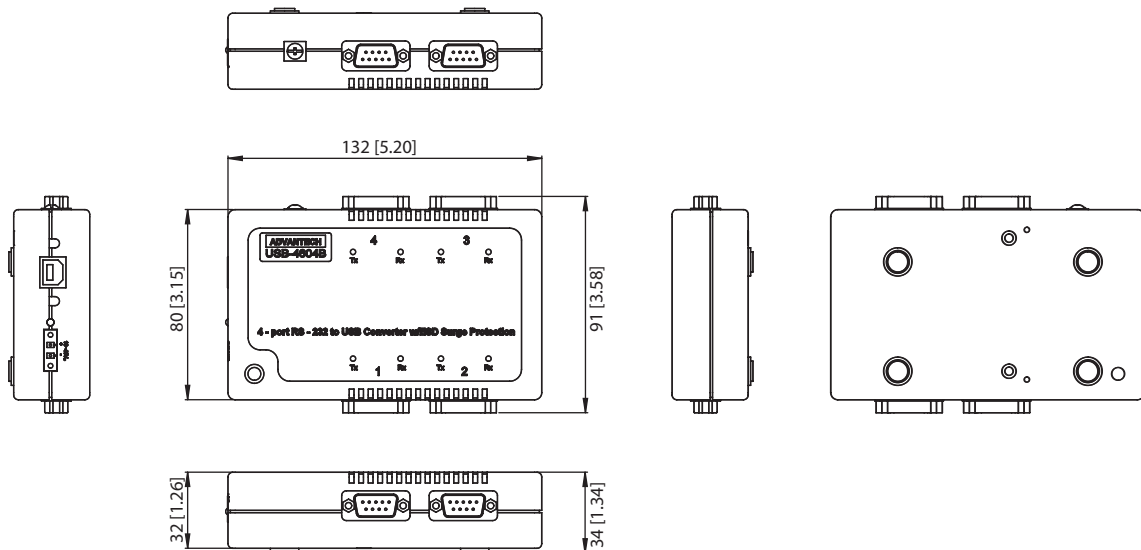
Unit: [mm]

### USB-4604B



**Panel Cut-out Dimensions: 132 x 80 x 32 mm (5.2" x 3.15" x 1.26")**

### USB-4604BM



**Panel Cut-out Dimensions: 132 x 80 x 32 mm (5.2" x 3.15" x 1.26")**

## Ordering Information

- **USB-4604B** 4-port RS-232 to USB Converter w/ESD
- **USB-4604BM** 4-port RS-232/422/485 to USB Converter w/ESD