# USB-4604B USB-4604BM

## 4-port RS-232 Serial to USB Converter

## 4-port RS-232/422/485 Serial to USB Converter



#### **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
- EMC Level 4 protection

### 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)

#### **Power Requirements**

Power Input
 12 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.)

#### **Special Communications**

Port Type
 RS-232/422/485, software selectable

No. of Ports 4

Port Connector DB9 male
 Data Bits 5, 6, 7, 8
 Stop Bits 1, 2

Parity None, Odd, Even, Space, Mark

• Flow Control XON/XOFF, RTS/CTS

Baud Rate
 Serial Signals
 Serial Signals
 Serial Signals

50 bps ~ 921.6 kbps, any baud rate setting
RS-232: TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI,

GND

RS-422: TxD+, TxD-, RxD+, RxD-, GND

RS-485: Data+, Data-, GND

• **Protection** 15 KV ESD for all signals

#### Mechanism

Dimensions
 Enclosure
 Mounting
 DIN-rail, panel

#### Software

Driver Support Windows XP/7/8/8.1, Windows Server

2008/2012/2012 R2

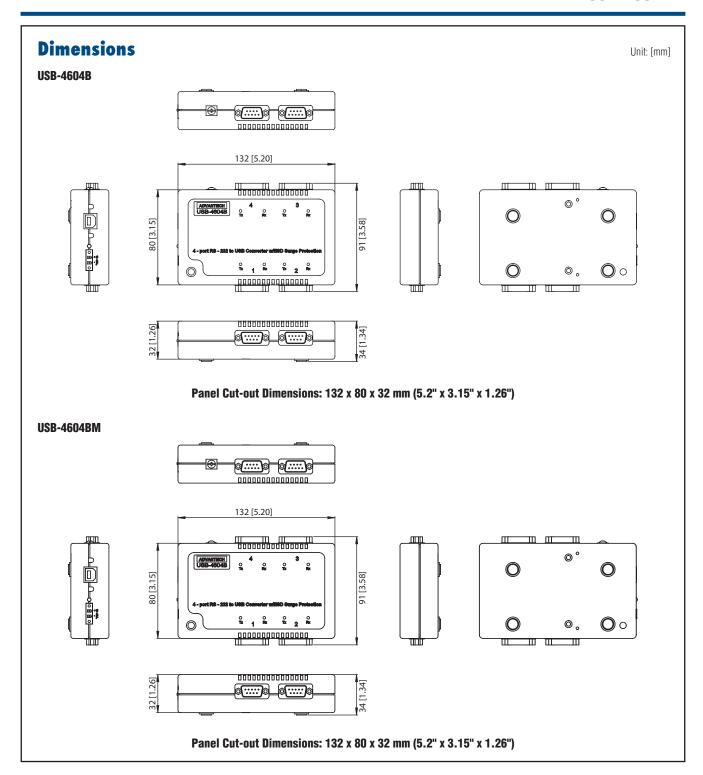
#### **Environment**

Operating Temperature -40 ~ 75°C (-40 ~ 167° F)
 Storage Temperature -40 ~ 80° C (-40 ~ 176° F)

■ Operating Humidity 10 ~ 95% RH

#### **Regulatory Approvals**

• EMC CE, FCC Part 15 Subpart B (Class A)



## **Ordering Information**

- USB-4604B 4-port RS-232 Serial to USB Converter
- USB-4604BM 4-port RS-232/422/485 Serial to USB Converter