USB-4604B

4-port RS-232 Serial to USB Converter

USB-4604BM

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

RoHS COMPLIANT 2011/65/EU CE FCC

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_{DC} (external) or 5 V_{DC} (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** 50 bps ~ 921.6 kbps, any baud rate setting
- **Serial Signals** 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** 132 x 80 x 32 mm
- **Enclosure** ABS+PC
- **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)
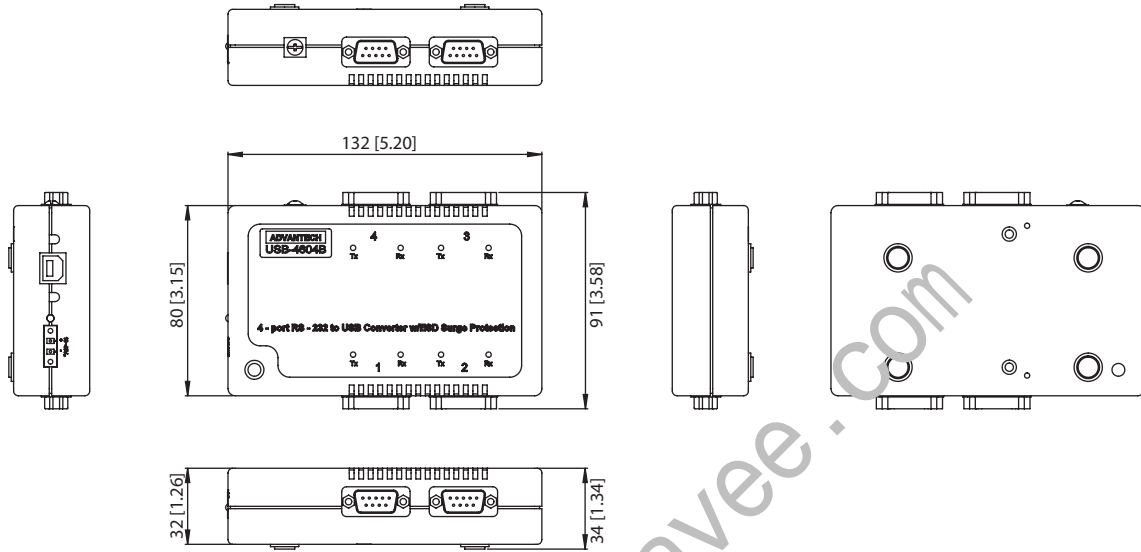- **Operating Humidity** 10 ~ 95% RH

Regulatory Approvals

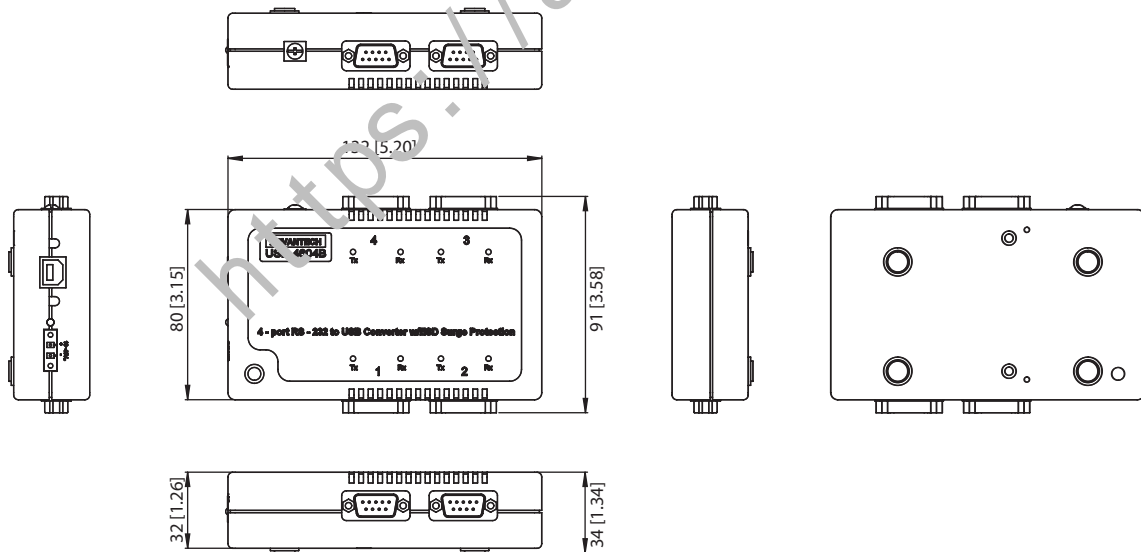- **EMC** CE, FCC Part 15 Subpart B (Class A)

Dimensions

Unit: [mm]

USB-4604B

132 [5.20]

80 [3.15]

91 [3.58]

32 [1.26]

34 [1.34]

4-port RS-232 to USB Converter w/ESD Surge Protection

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

USB-4604BM

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4-port RS-232 to USB Converter w/ESD Surge Protection

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

Ordering Information

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