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

RoHS COMPLIANT 2011/65/EU   CE   FCC

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_{DC} (external) or 5 V_{DC} (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_{DC}
- **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

132 [5.20]

80 [3.15]

91 [3.58]

32 [1.26]

34 [1.34]
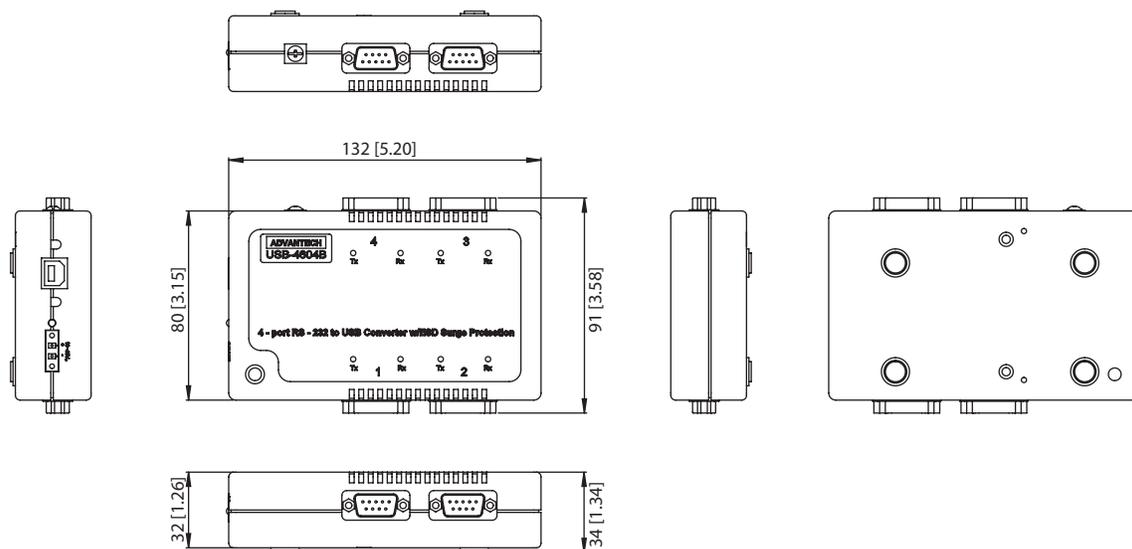
Panel Cut-out Dimensions: 132 x 80 x 32 mm (5.2" x 3.15" x 1.26")

USB-4604BM

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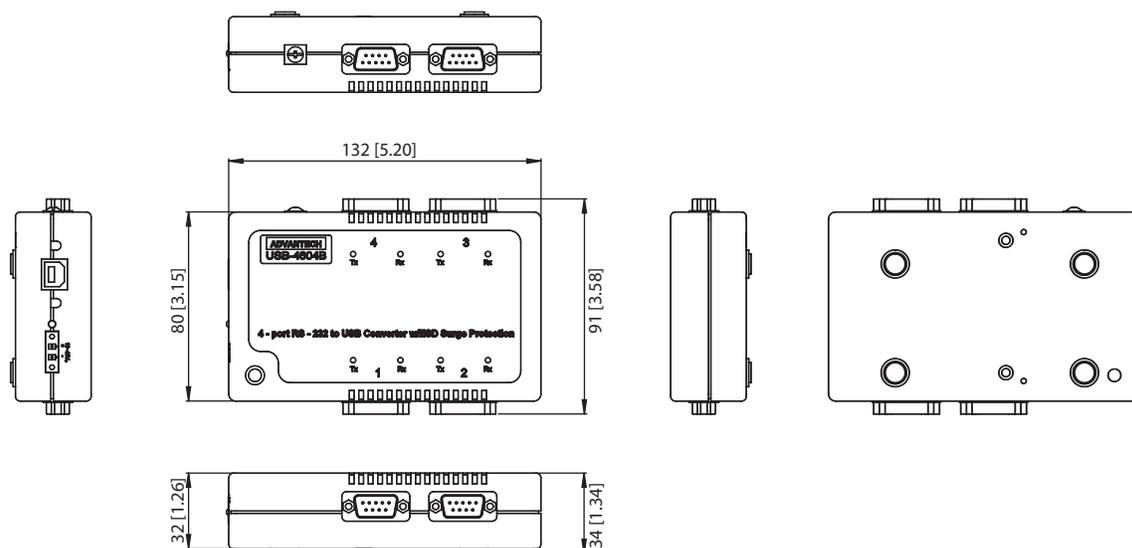
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Ordering Information

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