# 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) and 4 x DB9
- **Enclosure**: ABS+PC
- **USB Cable**: Max. 15ft (4.6 m)

### Power Requirements
- **Power Input**: 12 to 48 Vdc (external) or 5 Vdc (Bus powered)
- **Power Consumption**: 130 mA @ 5 V (Typical) and 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

### 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)**

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**Last updated : 29-May-2015**

All product specifications are subject to change without notice.
USB-4604B
USB-4604BM

Dimensions

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