

# ADAM-4561

# ADAM-4562

**1-port Isolated USB to  
RS-232/422/485 Converter**

**1-port Isolated USB to  
RS-232 Converter**



FCC CE

## Features

- Full compliance with USB V1.1 specifications.
- RS-232/422/485 port supported (only ADAM-4561)
- Transmission speed up to 115.2 kbps
- Isolation protection 3000 V<sub>DC</sub> provided
- Automatic RS-485 data flow control
- No external power supply necessary; the hub derives its power from the USB port.
- Plug & Play installation.
- No additional IRQs or I/O ports required.
- Hot attach & detach function supported

## Introduction

ADAM-4561/4562 allows PC users to connect a serial device to a system that use a USB interface. To attach the ADAM-4561/4562 to a PC, you don't need to open the chassis or power down your PC. Instantly get one or two 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 ADAM-4561/4562 especially suitable for modems, printers, POS systems and industrial control devices.

Compliant with USB V1.1, ADAM-4561/4562 features several powerful functions such as high-speed 115.2 kbps transmission, support for various operating systems, independent RS-232/422/485 ports and more. By simply plugging in a USB hub, ADAM-4561/4562 eliminates the configuration issues associated with high-priced, older card solutions. You only have to ins

USB, now standard on virtually all new PCs, offers significant advantages over earlier bus types. A single USB interface can connect up to 127 devices at data rates up to 12 Mbps. That kind of easy and convenient connectivity means that your network can grow with your requirements.

## Specifications

### General

- **Certifications** CE, FCC
- **Connectors** 1 x USB type A (Type A to Type B cable provided)  
1 x Plug-in screw terminal (#14-22 AWG)
- **Enclosure** ABS+PS
- **Mounting** DIN 35 rail, stack, wall
- **Power Consumption** ADAM-4561: 270 mA @ 5 V (Typical)  
300 mA @ 5 V (Max.)  
ADAM-4562: 155 mA @ 5 V (Typical)  
220 mA @ 5 V (Max.)

### Communications

- **Data Bits** 5, 6, 7, 8
- **Error Detection** Parity error, frame error, serial break (ADAM-4562)
- **Max. Distance** 15 ft (4.6m)
- **Parity Bits** ADAM-4561: Odd, even, none  
ADAM-4562: Odd, even, mark, space, none
- **RS-232 Signals** ADAM-4561: 3-wire(Tx,Rx,GND)  
ADAM-4562: 9-wire
- **Stop Bits** 1, 1.5, 2
- **Transmission Speed** ADAM-4561: 50 bps to 115.2 kbps  
ADAM-4562: 75 bps to 115.2 kbps

### Protection

- **Isolation Protection** ADAM-4561: 3,000 V<sub>DC</sub> (RS-232/422/485)  
ADAM-4562: 2,500 V<sub>DC</sub>
- **Surge Protection** 3,000 V<sub>DC</sub> (RS-485)

### Software

- **Driver Support** Windows® 98/2000/ME/XP

### Environment

- **Operating Temperature** 0 ~ 70° C (32 ~ 158° F)
- **Storage Temperature** -25 ~ 80° C (-13 ~ 176° F)
- **Operating Humidity** 20 ~ 95% (non-condensing)
- **Storage Humidity** 5 ~ 95% (non-condensing)

## Ordering Information

- **ADAM-4561** 1-port Isolated USB to RS-232/422/485 Converter
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