

# ADAM-4561

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



FCC CE

### Features

- Full compliance with USB V1.1 specifications.
- RS-232/422/485 port supported
- 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 allows PC users to connect a serial device to a system that use a USB interface. To attach the ADAM-4561 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 especially suitable for modems, printers, POS systems and industrial control devices.

Compliant with USB V1.1, ADAM-4561 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 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.

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

- **Compatibility** USB v1.1 standard
- **Interface** **Network:** USB  
**Serial:** 3-wire RS-232, RS-422, RS-485
- **Ports** 1 x RS-232/422/485
- **Connector** **Network:** USB type A connector (Type A to Type B cable provided)  
**Serial:** twist-wire
- **Transmission Speed** 50 bps to 115.2 kbps
- **Parity Bits** Odd, even, none
- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **RS-232 Signals** Tx, Rx, GND
- **Surge Protection** 3000 V<sub>DC</sub> (RS-485)
- **Isolation Protection** 3000 V<sub>DC</sub> (RS-232/422/485)
- **Driver Supported** Windows® 98/2000/ME/XP, Linux®
- **Power Consumption** 270 mA @ 5 V (Typical)  
300 mA @ 5 V (Max.)
- **Max. Distance** 15 ft (4.6m)
- **Case** ABS with captive mounting hardware
- **Mounting** DIN-rail, panel mounting, piggyback stack
- **Operating Temperature** 0 ~ 70° C (32 ~ 158° F)
- **Storage Temperature** -25 ~ 80° C (-13 ~ 176° F)
- **Operating Humidity** 20 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)

### Ordering Information

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