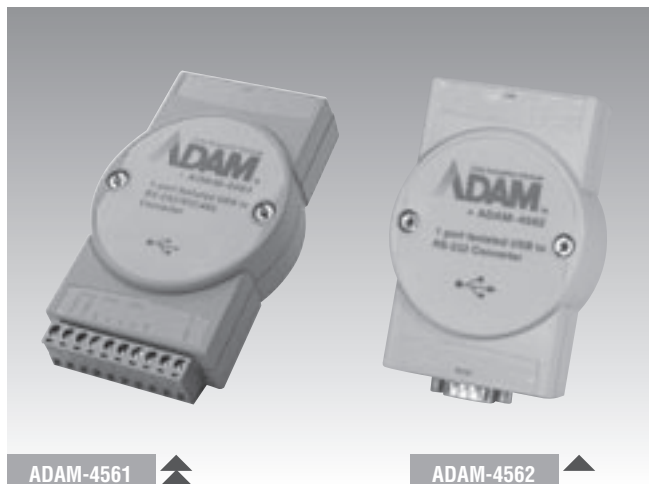


ADAM-4561

ADAM-4562

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

1-port Isolated USB to RS-232 Converter



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_{DC} 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 swap 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 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
- **Connectors** 1 x USB Type B (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 (4.6 m)
- **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_{DC} (RS-232/422/485)
ADAM-4562: 2,500 V_{DC}
- **Surge Protection** 3,000 V_{DC} (RS-485)

Software

- **Driver Support** Windows® 98/2000/ME/XPEEnvironment
- **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
- **ADAM-4562** 1-port Isolated USB to RS-232 Converter