ADAM-4561

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

ADAM-4562

1-port Isolated USB to RS-232 Converter

ADAM-4561   ADAM-4562

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/XPEnvironment
- **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

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