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 Vpc (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

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

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