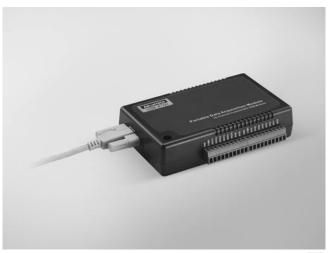
USB-4750

32-ch Isolated Digital I/O USB Module



Features

- Compatible with USB 1.1/2.0
- Bus-powered
- 16 isolated DI and 16 isolated DO channels
- High voltage isolation on all channels (2,500 V_{DC})
- High sink current on isolated output channels (100 mA/Channels)
- Supports 5 ~ 50 V_{pc} isolated input channels
- Interrupt handling
- Timer/counter capability
- Suitable for DIN-rail mounting
- One lockable USB cable for secure connection included



Introduction

The USB-4700 series consists of true Plug & Play data acquisition devices. No more opening up your computer chassis to install boards-just plug in the module, then get the data.

It's easy and efficient. USB-4750 is a 32-channel isolated digital I/O module. With isolation protection of 2,500 V_{DC}, and dry contact support, USB-4750 is ideal for industrial applications where high-voltage protection is required. Each I/O channel of the USB-4750 corresponds to a bit in an I/O port. This makes USB-4750 very easy to program. This module also offers a counter or timer and one digital input interrupt lines to a PC. So users can then easily do configurations by software.

Reliable and rugged enough for industrial applications, yet inexpensive enough for home projects, the USB-4750 is the perfect way to add measurement and control capability to any USB capable computer. The USB-4750 is fully USB Plug & Play and easy to use. It obtains all required power from the USB port, so no external power connection is ever required.

Specifications

Isolated Digital Input

• Channels 16

Input Voltage Logic 0: 2 V max.

Logic 1: 5 V min. (60 V max.) or dry contact

Interrupt Capable Ch. 2
Isolation Protection 2,500 V_{DC}

Isolated Digital Output

Channels 16
Output Type Sink (NPN)
Isolation Protection 2,500 V_{DC}
Output Voltage 5 ~ 40 V_{DC}

Sink Current
100 mA max. per channel

Total 1.1 A max.

Isolated Counter

Channels 2
Resolution 32-bit
Max. Input Frequency 1 MHz
Isolation Protection 2,500 V_{DC}

General

■ **Bus Type** USB 1.1/2.0

I/O Connectors
Dimensions (L x W x H)
Power Consumption
Typical: 200 mA @ 5 V
Max.: 300 mA @ 5 V

• Operating Temperature $0 \sim 60^{\circ}$ C (32 $\sim 140^{\circ}$ F) (refer to IEC 68-2-1, 2)

■ **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)

■ **Storage Humidity** 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3)

Ordering Information

• **USB-4750** 32-ch Isolated Digital I/O USB Module

1960004544 Wallmount Bracket1960005788 VESA Mount Bracket