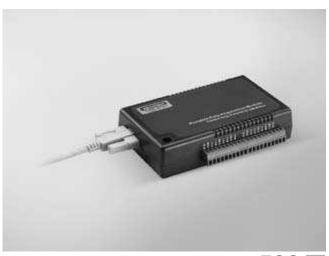
USB-4761

8-ch Relay and 8-ch Isolated Digital Input USB Module



Features

- Compatible with USB 1.1/2.0
- Portable
- Bus-powered
- 8 relay output channels and 8 isolated digital input channels
- LED indicators to show activated relays
- 8 Form C type relay output channels
- High-voltage isolation on input channels (2,500 V_{DC})
- High ESD protection (2,000 V_{DC})
- Wide input range (5 ~ 30 V_{DC})
- Interrupt handling capability
- Detachable screw terminal on modules
- Suitable for DIN-rail mounting
- One lockable USB cable for secure connection included



Introduction

The USB-4761 is a relay actuator and isolated digital input module for USB bus. It provides 8 optically-isolated digital inputs with isolation protection of 2,500 V_{DC} for collecting digital inputs in noisy environments and 8 relay actuators for serving as on/off control devices or small power switches. For easy monitoring, each relay is equipped with one red LED to show its on/off status. The USB-4761's eight optically-isolated digital input channels are ideal for digital input in noisy environments or with floating potentials.

Rugged Protection

The USB-4761 digital input channels feature a rugged isolation protection for industrial, lab and machinery automation applications. It durably withstands voltage up to 2,500 V_{DC} , protecting your host system from any incidental harms. If connected to an external input source with surge-protection, the USB-4761 can offer up to a maximum of 2,000 V_{DC} ESD (Electrostatic Discharge) protection.

Specifications

Isolated Digital Input

Channels

• Input Voltage Logic 0: 2 V max.

Logic 1: 5 V min. (30 V max.)

Isolation Protection 2,500 V_{DC}
 Opto-Isolator Response 25 µs

Relay Output

Channels

Relay Type SPDT (8 x Form C)

Contact Rating
 240 V_{AC} @ 0.25 A, or 30 V_{DC} @ 1 A

 • Relay on Time
 5 ms max.

 • Relay off Time
 4 ms max.

 • Life Span
 2×10^7

 • Resistance
 Contact: 50 mΩ

Insulation: 1 G Ω min. (at 500 V_{DC})

General

Bus Type USB 1.1/2.0
 I/O Connectors Onboard screw terminal
 Dimensions (L x W x H) 132 x 80 x 32 mm
 Power Consumption Typical: 5 V @ 60 mA Max:: 5 V @ 400 mA

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

• Storage Temperature $-20 \sim 70^{\circ} \text{ C } (-4 \sim 158^{\circ} \text{ F})$

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

Ordering Information

USB-4761
 8-ch Relay/Isolated Digital Input USB Module

1960004544 Wallmount Bracket
 1960005788 VESA Mount Bracket