

USB-4750

USB-4761

32-Ch Isolated Digital I/O USB Module
8-Ch Relay, 8-Ch Isolated Digital Input
USB Module



USB-4750

FCC CE

RoHS
COMPLIANT
2002/95/EC



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Features

- Compatible with USB 1.1/2.0
- Bus powered
- 16 x isolated digital input and 16 x digital output channels
- High voltage isolation on all channels (2,500 V_{DC})
- High sink current on isolated output channels (200 mA/channel)
- Supports 5 ~ 60 V_{DC} isolated input channels
- Interrupt handling capability
- Timer/counter capability
- Suitable for DIN rail mounting
- 1 x Lockable USB cable included for connection security

Specifications

Isolated Digital Input

■ Channels	16
■ Input Voltage	Logic 0: 2 V max. Logic 1: 5 V min. (60 V max.) or dry contact
■ Interruptible Channels	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	200 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 Connector	Onboard screw terminal
■ Dimensions (L x W x H)	132 x 80 x 32 mm (5.2" x 3.15" x 1.26")
■ Power Consumption	Typical: 5 V @ 200 mA Max.: 5 V @ 350 mA
■ Operating Temperature	0 ~ 60 °C (32 ~ 140 °F)
■ Storage Temperature	-20 ~ 70 °C (-4 ~ 158 °F)
■ Storage Humidity	5 ~ 95% RH, non-condensing

Ordering Information

- **USB-4750-BE** 32-ch isolated digital I/O USB module

Accessories

- **1960004544** Wall mount bracket
- **1960005788** VESA mount bracket

Features

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

Specifications

Isolated Digital Input

■ Channels	8
■ Input Voltage	Logic 0: 2 V max. Logic 1: 5 V min. (30 V max.)
■ Isolation Protection	2,500 V _{DC}
■ Opto-Isolator Response	50 µs

Relay Output

■ Contact Rating	0.25 A @ 240 V _{AC} , 1 A @ 30 V _{DC}
■ Max. Switching Power	62.5 VA, 60 W
■ Max. Switching Voltage	250 V _{AC} , 220 V _{DC}
■ Max. Switching Current	5 A
■ Operate/Release Time	max. 5 / 4 ms
■ Life Expectancy (Electrical)	5 x 10 ⁹ cycles typ. @ 10 mA/12 V 2 x 10 ⁶ cycles typ. @ 2000 mA/30 V

General

■ Bus Type	USB 1.1/2.0
■ I/O Connector	Onboard screw terminal
■ Dimensions (L x W x H)	132 x 80 x 32 mm (5.2" x 3.15" x 1.26")
■ Power Consumption	Typical: 5 V @ 60 mA Max.: 5 V @ 400 mA
■ Operating Temperature	0 ~ 60 °C (32 ~ 140 °F)
■ Storage Temperature	-20 ~ 70 °C (-4 ~ 158 °F)
■ Storage Humidity	5 ~ 95 % RH, non-condensing

Ordering Information

- **USB-4761-BE** 8-ch relay/isolated digital input USB module

Accessories

- **1960004544** Wall mount bracket
- **1960005788** VESA mount bracket