USB-4750
USB-4761

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

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 Vcc)
- High sink current on isolated output channels (200 mA/channel)
- Supports 5 – 60 Vcc 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 Vcc

Isolated Digital Output
- Channels: 16
- Output Type: Sink (NPN)
- Isolation Protection: 2,500 Vcc
- Output Voltage: 5 ~ 40 Vcc
- 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 Vcc

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 @ 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

USB-4761

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 output channels (2,500 Vcc)
- High ESD protection (2,000 V)
- Wide input range (5 ~ 30 Vcc)
- 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 Vcc
- Opto-Isolator Response: 50 µs

Relay Output
- Contact Rating:
  - 0.25 A @ 240 Vcc, 1 A @ 30 Vcc
- Max. Switching Power: 62.5 VA, 60 W
- Max. Switching Current:
  - 5 A max.
  - 5 / 4 ms
- Life Expectancy (Electrical):
  - 5 x 10^7 cycles typ. @ 10 mA/12 V
  - 2 x 10^5 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

All product specifications are subject to change without notice.