

32-Channel Isolated Digital I/O USB Data Acquisition Module



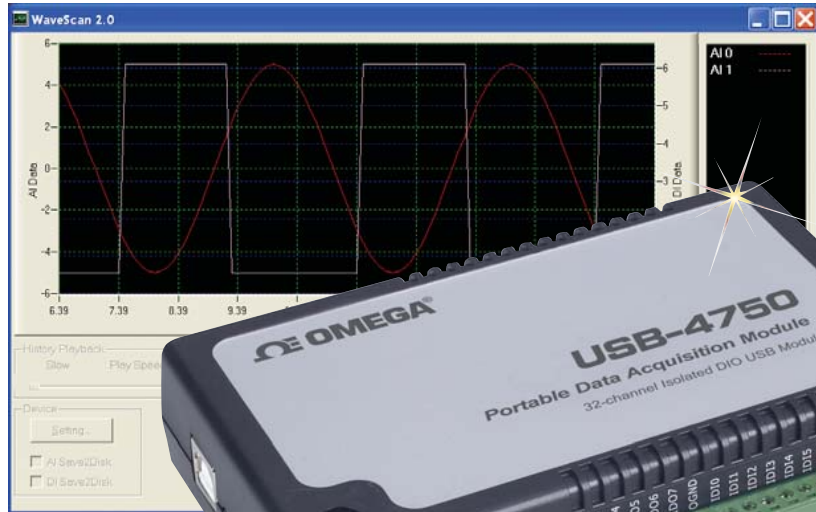
USB-4750
\$245



- ✓ Compatible with USB 1.1/2.0
- ✓ Bus-Powered
- ✓ 16 Isolated DI and 16 Isolated DO Channels
- ✓ High Voltage Isolation on all Channels (2500 Vdc)
- ✓ High Sink Current on Isolated Output Channels (100 mA/Channel)
- ✓ Supports 5 to 40 Vdc Isolated Input Channels
- ✓ Interrupt Handling
- ✓ Timer/Counter Capability
- ✓ Suitable for DIN-Rail Mounting
- ✓ Lockable USB Cable for Rigid Connection

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. The USB-4750 is a 32-channel isolated digital I/O module for the USB bus. With isolation protection of 2500 Vdc, and dry contact support, the 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. Users can therefore easily perform configurations by software. Reliable and rugged enough for industrial applications, yet economical for all types of 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



Windows software displays data in graphical or tabular format.



USB-4750, \$245, shown smaller than actual size.

from the USB port, so no external power connection is ever required. Data collection is simple. Simply plug the data acquisition module into an available USB port and our easy-to-use Windows software does the rest. The software converts your PC into a real-time strip chart recorder. Data can be printed in graphical or tabular format. It can also be exported to a text or Microsoft Excel file.

Specifications

ISOLATED DIGITAL INPUT

Channels: 16

Input Voltage:

Logic 0: 2 V max

Logic 1: 5 V min (50 Vdc max) or dry contact

Interrupt Capable Ch: 2

Isolation Protection: 2500 Vdc

ISOLATED DIGITAL OUTPUT

Channels: 16

Output Type: Sink (NPN)

Isolation Protection: 2500 Vdc

Output Voltage: 5 to 40 Vdc

Sink Current: 200 mA max per channel

COUNTER/TIMER

Channels: 1

Resolution: 1 x 32-bit timer;

1 x 16-bit isolated counter

Compatibility: 5 V/TTL

Input Frequency: 1 MHz max

Isolation Protection: 2500 Vdc

GENERAL

Bus Type: USB 1.1/2.0

Software: Windows 2000/XP

I/O Connectors:

Onboard screw terminals

Dimensions:

132 L x 80 W x 32 mm H (5.2 x 3.1 x 1.3")

Power Consumption: 5 V @ 200 mA typical; 5 V @ 300 mA max

Operating Temperature: 0 to 60°C (32 to 140°F)

Storing Temperature: -20 to 70°C (-4 to 158°F)

Storing Humidity: 5 to 95% RH, non-condensing

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

Model No.	Price	Description
USB-4750	\$245	32 channel isolated digital I/O USB module

All USB-4750 data acquisition modules include Windows software and complete user manual on CD, and a 1.8 m (6') USB cable and DIN rail mounting kit.

Ordering Example: USB-4750, 32-channel isolated digital I/O USB data acquisition module and OMEGACARE 1 year extended warranty for USB-4750 (adds 1 year to standard 1 year warranty), \$245 + 25 = \$270.

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