48/24-Channel TTL Digital I/O USB Data Acquisition Modules

USB-4751 Series Starts at

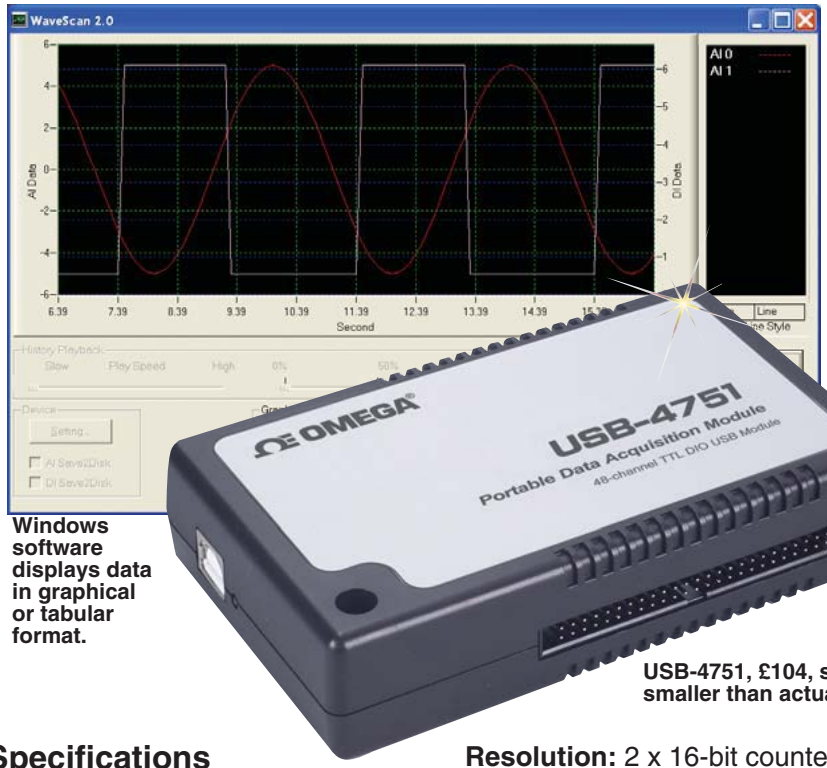
£90

- Compatible with USB 1.1/2.0
- Portable
- Bus-Powered
- 48/24 TTL Digital I/O Lines
- Emulates Mode 0 of 8255 PPI
- Buffered Circuits for Higher Driving Capacity than 8255
- Interrupt Handling
- Timer/Counter Interrupt Capability
- Supports Both Dry and Wet Contact
- 50-Pin Opto-22 Compatible Box Header
- 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. Models USB-4751 (48-bit) and USB-4751L (24-bit) are digital I/O data acquisition modules for the USB bus. The 48/24 bits are divided into six/three 8-bit I/O ports, and users can configure each port as input or output via software. The USB-4751 and USB-4751L also provide one event counter and three 16-bit timers, which can be cascaded to become a 32-bit timer.

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.



Windows software displays data in graphical or tabular format.

USB-4751, £104, shown smaller than actual size.

Specifications

DIGITAL INPUT
Channels:
USB-4751: 48
USB-4751L: 24
(shared with output)
Compatibility: 5V/TTL
Input Voltage:
Logic 0: 0.8V max
Logic 1: 2V min

DIGITAL OUTPUT
Channels:
USB-4751: 48
USB-4751L: 24
(shared with input)
Compatibility: 5V/TTL
Output Voltage:
Logic 0: 0.4 V max
Logic 1: 2.4 V min
Output Capability:
Sink: 0.4 V @ 8 mA
Source: 2.4 V @ 4 mA

COUNTER/TIMER
Channels: 3
Resolution: 2 x 16-bit counters, or 1 x 32-bit counter; 1 x 16-bit event counter
Compatibility: 5 V/TTL
Max Input Frequency: 10 MHz

GENERAL
Bus Type: USB 1.1/2.0
Software: Windows 2000/XP
I/O Connectors: 50-pin IDC male connectors, pin assignments are fully compatible with Opto-22 I/O module racks
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

MOST POPULAR MODEL HIGHLIGHTED!

To Order *(Specify Model Number)*

Model No.	Price	Description
USB-4751	**£104**	48-channel TTL digital I/O USB module
USB-4751L	**90**	24-channel TTL digital I/O USB module

Comes with Windows Software and complete user manual on CD, a 1.8 m (6') USB 2.0 cable, and DIN rail mounting kit.
Ordering Example: USB-4751, *48-channel TTL DI/O USB data acquisition module and OMEGACARE 1 year extended warranty for USB-4751 (adds 1 year to standard 1 year warranty), £104 + 16.75 =* ***£120.75***

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• Heaters

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