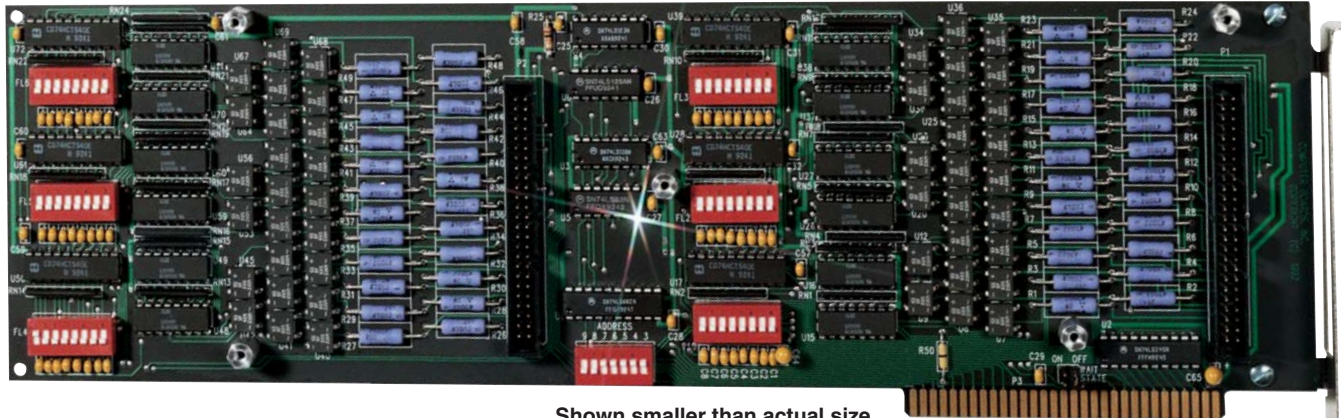


CIO-DISO48 48-Channel Isolated Digital Input Board for IBM PC and Compatibles



Shown smaller than actual size

Model CIO-DISO48

\$739



- ✓ 48 Channels
- ✓ Isolated to 500 V
- ✓ 5 to 24 Vdc or ac (50 to 1000 Hz) Inputs

The CIO-DISO48 is an economical 48-channel isolated digital input board, capable of monitoring input voltages up to 500 V. The inputs are not polarity sensitive, and may be mixed between ac and dc signals. The CIO-DISO48 is supplied with protective covers for both the component and circuit sides. Signals are accessed through two 50-pin connectors; each carry 24 isolated inputs.

The CIO-DISO48 has dual 50-pin connectors. Each connector carries 24 isolated inputs. Each isolated input has two non-polarized contacts. Connecting an input to the board is as easy as connecting one side of the contact to pin 1 and the other side to pin 2. Contact closure can then be detected.

Two optional terminal panels are available for easy wiring connection. One CIO-TERM100 or two CIO-TERM50 panels provide access to all pins.

Isolated Inputs

Each opto-isolated input provides 500 V of isolation. Each input has a filter which should be used when monitoring ac signals, and may be used to slow down dc signals.

Programming

Programming the I/O board is easy from any language that supports I/O access.. A base address switch assigns a unique address to the board's I/O registers. Programming is accomplished by reading the I/O registers. Each I/O address controls 8 inputs. Reading an input provides the input state at the moment the register is read.

A software driver is also available. The Universal Driver Library supports most DOS and Windows 3.1/95/98/NT languages. An optional LabVIEW driver is also available.

Specifications

- Digital Inputs:** 48, opto-isolated, non-polarized; not TTL compatible
- Isolation:** 500 V channel-to-channel and channel-to-ground
- Input Range:** 5 to 24 Vdc or ac 50 to 1000 Hz
- Input Impedance:** 470 Ω min.
- Response Time:** 20 μ sec without filter, 1 msec with filter
- Power Supply:** 5 V at 1 A, 5 W typical

To Order (Specify Model Number)

Model No.	Price	Description
CIO-DISO48	\$739	48-channel digital input board
CIO-TERM100	149	16 x 4" screw terminal board; contains 100 screw terminals and two 50-pin connectors; requires two C50FF-2 cables
CIO-MINI50	69	4 x 4" screw terminal board; contains 50 screw terminals and one 50-pin connector; requires one C50FF-2 cable
C50FF-2	25	Connection cable, 2 ft
UNIV-DRVR	49	Universal Driver Library for DOS and Windows
CIO-LABVIEW-DRVR	49	LabVIEW Driver

Ordering Example: CIO-DISO48 digital input board, CIO-TERM100 terminal board, two C50FF-2 cables and OMEGACARESM 1-year extended warranty for CIO-DISO48 (adds 1 year to standard 3-year warranty) \$739 + 149 + (2)25 + 39 = \$977.



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• Flow and Level

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Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters