

**\*\* FOR IMMEDIATE RELEASE \*\***

## **New Series of Low-Cost PC/104 Digital Boards Provides 48 Isolated Digital Inputs**

SAN DIEGO, CA—March 13, 2007—[ACCES I/O Products Inc.](http://www.accesio.com), is pleased to release its newest series of PC/104 isolated digital I/O boards, the 104-IDI-48 Series. These are 48-channel PC/104 utility boards featuring 48 individually optically isolated digital inputs. These boards are ideal for use in control and instrumentation applications where high-voltage protection is required. Individual channel-to-channel isolation allows every channel to be physically and electrically separated from the others.

Enabled inputs feature a change-of-state detection capability that provides a means to automatically interrupt the host computer in real time. When one or more input bits change state, an interrupt is generated to automatically wake up the application. Each input is rectified by photo-coupler diodes, therefore polarity insensitive—either positive or negative and AC voltage inputs are acceptable. Zero crossings and glitches are eliminated by input filters. The input range is up to 60 VDC or AC rms at frequencies of 40Hz to 10 kHz.

These boards are especially useful in applications where high common-mode external voltages are present. Isolation is required to guard electronics from transient voltage spikes and offers greater common-mode noise rejection in electronically noisy surroundings containing industrial machinery and inductive loads. These applications include factory automation, energy management, industrial ON/OFF control, security systems, manufacturing test, and process monitoring. In addition to protecting industrial applications from accidental contact with high external voltages, the isolation provided eliminates troublesome ground loops. The optically isolated digital inputs are split into two 50-pin IDC type headers each containing 24 channels. Accessories available include a wide variety of ribbon cables and screw terminal boards for quick and easy connectivity.

Key features include

- 48 individually optically isolated AC/DC inputs
- Polarity insensitive AC/DC inputs accept up to 60 VDC or AC rms
- Change-of-state detection (IRQ) on selected inputs (certain models)
- AC or voltage transient filtering
- Optically isolated channel to channel and channel to ground
- Optional -40 to +85°C operating temperature
- Compatible with industry standard I/O racks

These boards are supported for use in most operating systems and include a free DOS, Linux and Windows 98/NT/2000/XP/2003 compatible software package. This package contains sample programs and source code in “C” for DOS, and Visual Basic, Delphi, C++ Builder, and Visual C++ for Windows. Also incorporated is a graphical setup program in Windows. Linux support includes installation files and basic samples for programming from user level via an open source kernel driver. Third-party support includes a Windows standard DLL interface usable from the most popular application programs, and includes example LabVIEW VIs. Embedded OS support includes Windows XPe and CE.

ACCES I/O Products, Inc. supplies an extensive range of analog, digital, serial communication, and isolated I/O boards and solutions. ACCES also offers complete systems, integration services, and enclosures with a quick turn-around on custom projects including software. ACCES products are designed for use with PC/104, PCI, PCI-X, Low Profile PCI, EBX, ETX, EPIC, USB, Ethernet and ISA, as well as distributed and wireless I/O. All hardware comes with a 30-day, no-risk return policy and a three-year warranty. For further information, visit the company's web site at [www.accesio.com](http://www.accesio.com).

**Price:** \$349.00—Model 104-IDI-48AC (48 isolated inputs with change detection)  
(Volume pricing available, consult factory)

**Availability:** Now

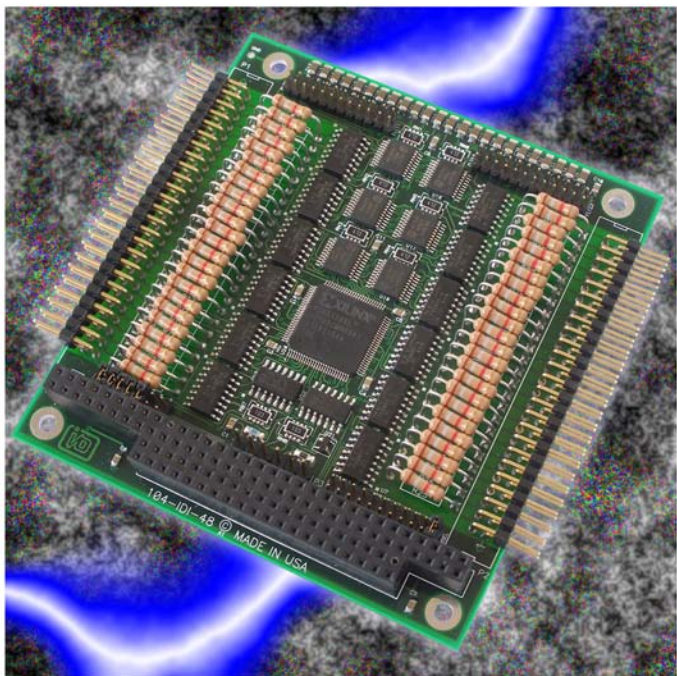
**Delivery:** Stock to two weeks ARO

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 **ACCESS**  
I/O PRODUCTS, INC.