ACCES I/O *New Products*

** FOR IMMEDIATE RELEASE **

New Low-Cost PCI Isolated Digital I/O Family Provides 16, 32, or 48 Isolated Digital Inputs or Solid-State Outputs

SAN DIEGO, CA—October 9, 2006—ACCES I/O Products Inc., is pleased to release a new line of low-cost PCI isolated digital I/O cards. Offering a range of 16, 32 or 48 individually optically isolated inputs or outputs, these cards 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.

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

The opto-isolated outputs use solid-state, P-Channel FET switches, providing a much faster turn-on and turn-off time and higher life expectancy than electromechanical relays. User-supplied load voltages can range from 5V to 60V.

These cards 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. Connections are available via 50-pin IDC type headers, ribbon cables, and a variety of screw terminal boards.

Key features include

Inputs
- 16, 32 or 48 individually optically isolated AC/DC inputs
- Polarity insensitive AC/DC inputs accept up to 60VDC or AC rms
- Change-of-state detection (IRQ) on selected inputs (certain models)
- AC or voltage transient filtering

Outputs
- 16, 32 or 48 individually optically isolated solid-state outputs
- Solid-state design permits high-speed switching and long-life expectancy
- Load voltages up to 60V, current up to 2A
- Lower cost per channel than externally racked solid-state relay modules

General
- Optically isolated channel to channel and channel to ground
- Universal PCI, PCI-X, 3.3V and 5V compatible

These cards are supported for use in most operating systems and include a free DOS**,** Linux (including Mac OS X) 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.

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 turnaround 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.

Price: $299.00—Model PCI-IDI-48AC (48 isolated inputs with change detection)
$299.00—Model PCI-IDO-48 (48 isolated outputs)
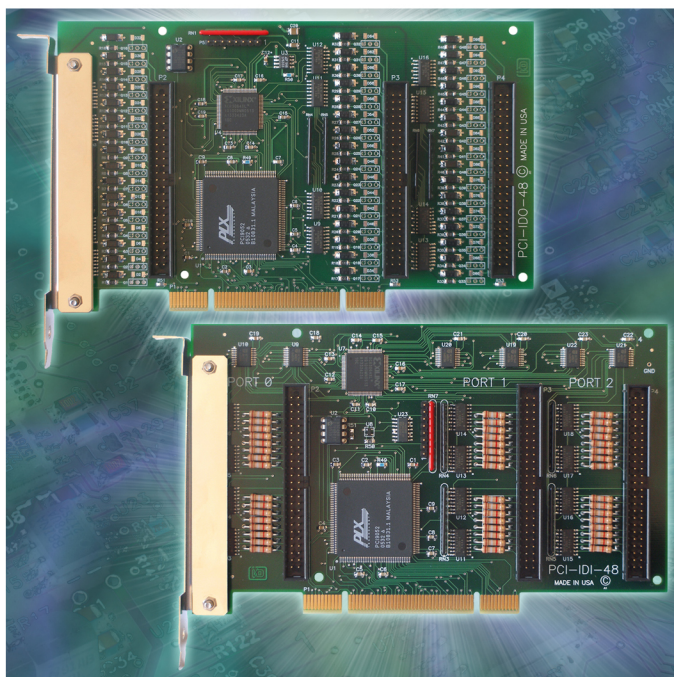(Reduced channel and volume pricing available, consult factory)

Availability: Now

Delivery: Stock to two weeks ARO

For Further Information, Contact: Agency Contact:

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