ACCES I/O New Products

**** FOR IMMEDIATE RELEASE ****

36-Channel PC/104 Optically Isolated Input / Relay Output Module

SAN DIEGO, CA—July 28, 2005—ACCES I/O Products, Inc. is pleased to announce its newest PC/104 board, Model 104-II32-4RO. This is a 36-channel PC/104 utility board featuring 32 fully optically isolated digital inputs with change-of-state interrupt generation and four handy electromechanical relay outputs. The board provides connections to an assortment of devices including sensors, switches, controllers, powered circuits, and other user inputs. The inputs may be driven by either DC sources of 3-31V (or higher by special order) or AC sources at frequencies of 40Hz to 10kHz. Optically isolating the digital inputs from each other, and from the computer, assures smooth, error-free data transmission in noisy, real-world industrial environments. The 104-II32-4RO can be used in a variety of PC/104 applications such as embedded SCADA systems, industrial automation, process control, scientific apparatus, and embedded OEM.

Each input circuit includes a jumper selectable filter to accommodate AC inputs and is also useful for slow DC inputs in noisy environments. The filter may be manually disabled to improve the board's typical response time to 10 usec when used with faster DC inputs. The input impedance is 1.8K Ohms to accommodate a wide input range. To prevent erroneous input state change detections and interrupts, Schmitt triggers are used which provide a reliable logic signal to the computer interface. The electromechanical relays are more flexible than FET and solid state outputs in regards to the kind of signals that can be switched. Another useful feature of the board is a fused +5V general purpose output at the connector.

Key features include

Inputs

- 32 optically isolated non-polarized digital inputs
- Change-of-state (COS) detection selectable per nybble basis
- Interrupt sharing for simplified system development
- 3 to 31 volt AC or DC signals
- Switchable filters
- Schmitt trigger buffers
- I/O access with register definitions provided

Outputs

- 4 Form C (NC, NO, C) SPDT relays
- Contact ratings 24VDC @ 1A and 115VAC @ 0.5A
- +5V power with onboard 0.5A resettable fuse for external circuits

The 104-II32-4RO is supported for use in most operating systems and includes a free DOS, Linux and Windows 95/98/Me/NT/2000/XP/2003 compatible software package. This 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. Third party support includes a Windows standard dll interface usable from the most popular application programs. Embedded OS support includes Windows XPe and CE. Linux support consists of installation files and basic samples for programming from user level via an open source kernel driver.

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, 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: $295.00
Availability: Now
Delivery: Stock to two weeks ARO

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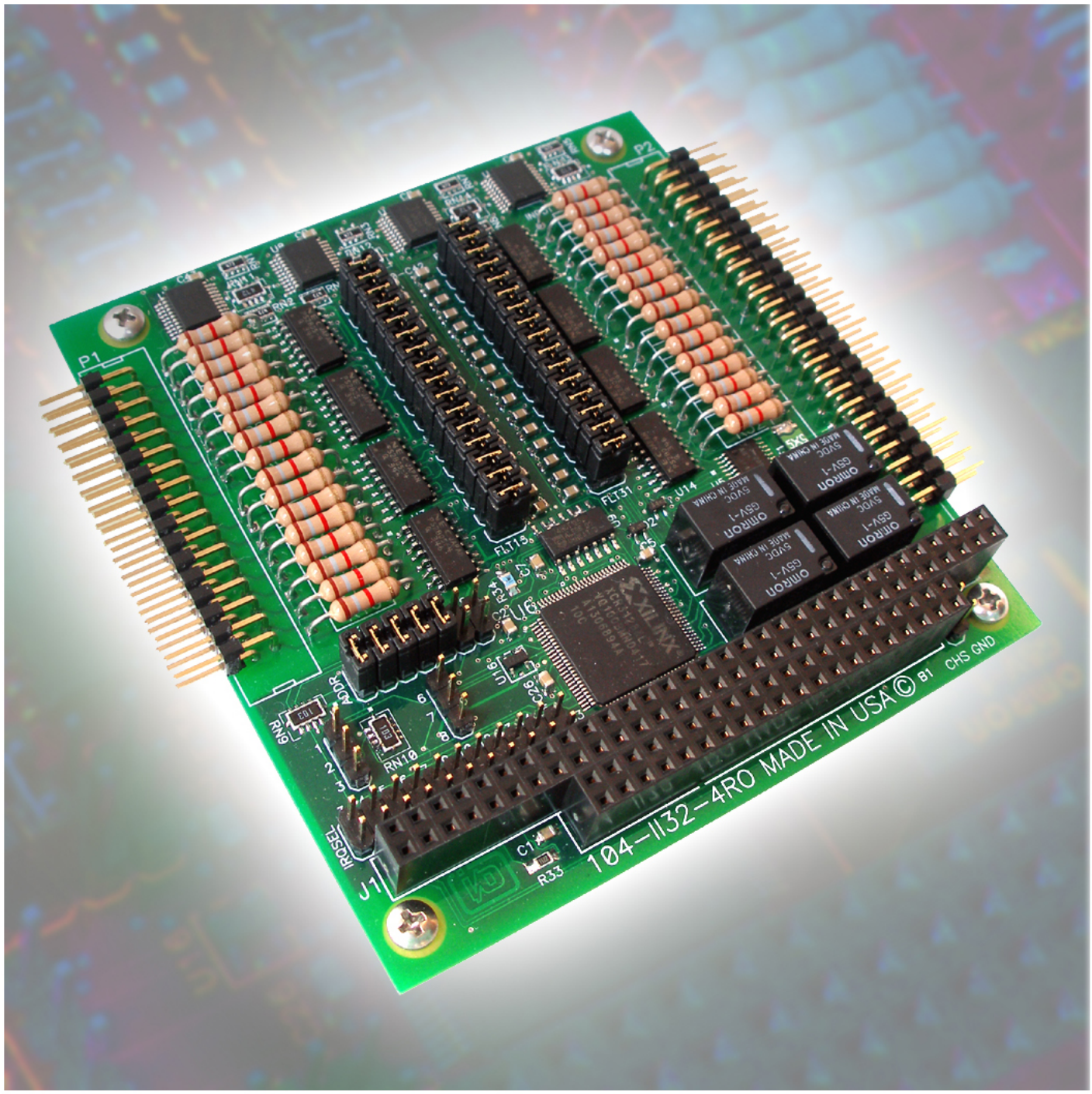

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