ACCES I/O New Products

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PC/104 Board Provides 16 Optically Isolated Digital Inputs with Change-of-State Detection and 16 Optically Isolated Solid State Outputs

San Diego, Calif.–March 3, 2004–ACCES I/O Products, Inc. introduces its Model 104-IDIO-16, a low cost 32-channel PC/104 utility board featuring 16 optically isolated inputs and 16 optically isolated solid state outputs. The isolated, non-polarized 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 environments. The 16 input channels are available via a 34-pin IDC type header. The fully protected solid state outputs, capable of driving 1A each, are inherently more reliable than electromechanical relays and give system architects a more robust product to design with. The solid state outputs are available via a 50 pin IDC type header.

Each input circuit includes a jumper selectable slow/fast filter to accommodate AC inputs and is also useful for slow DC inputs in noisy environments. The filter may be manually disabled to increase 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.

The board is installed by jumper selecting base addresses and IRQ. System interrupts are software controlled, enabling the board to generate an interrupt whenever one or more of the isolated digital inputs changes state. This eliminates the need for constant polling and *greatly* frees up system resources. Model 104-IDIO-16E is an economy version available without the interrupt Change of State Detection feature.

The Model 104-IDIO-16 opto-isolated digital I/O board is designed for use in both commercial and optionally in industrial environments of 0 to +70C and –40 to +85C, respectively. The board is available with optional cables, screw termination boards and a snaptrack for the mounting of screw termination boards.

The 104-IDIO-16 board features:

- Optically Isolated I/O
- Models available with or without input change-of-state detection
- Fully Protected Solid State Outputs
- Extended Operating Temperature Range: -40 to +85C
- Power Required: +5VDC @ 0.150A

The board ships with a CD containing utility and tools software, an illustrated set-up program for configuring jumpers, and card-specific demonstrations for programming the solid state outputs, reading the inputs, and implementing the change-of-state interrupt feature. Source code and examples in "C" are provided for Linux and DOS, and in a variety of languages for use in Windows versions up to XP.

ACCES I/O Products, Inc. is a leading manufacturer of PC/104, PCI and ISA analog and digital/relay I/O boards, serial communication products and wireless/distributed data acquisition products and accessories. Other PC/104 modules from ACCES include analog and digital I/O, signal conditioning, isolated input/relay output modules, and isolated/non-isolated serial communications modules. 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:	104-IDIO-16 - $279.00, includes manual and software
	104-IDIO-8 - $159.00, includes manual and software
Availability:	Now
Delivery:	Stock to two weeks ARO

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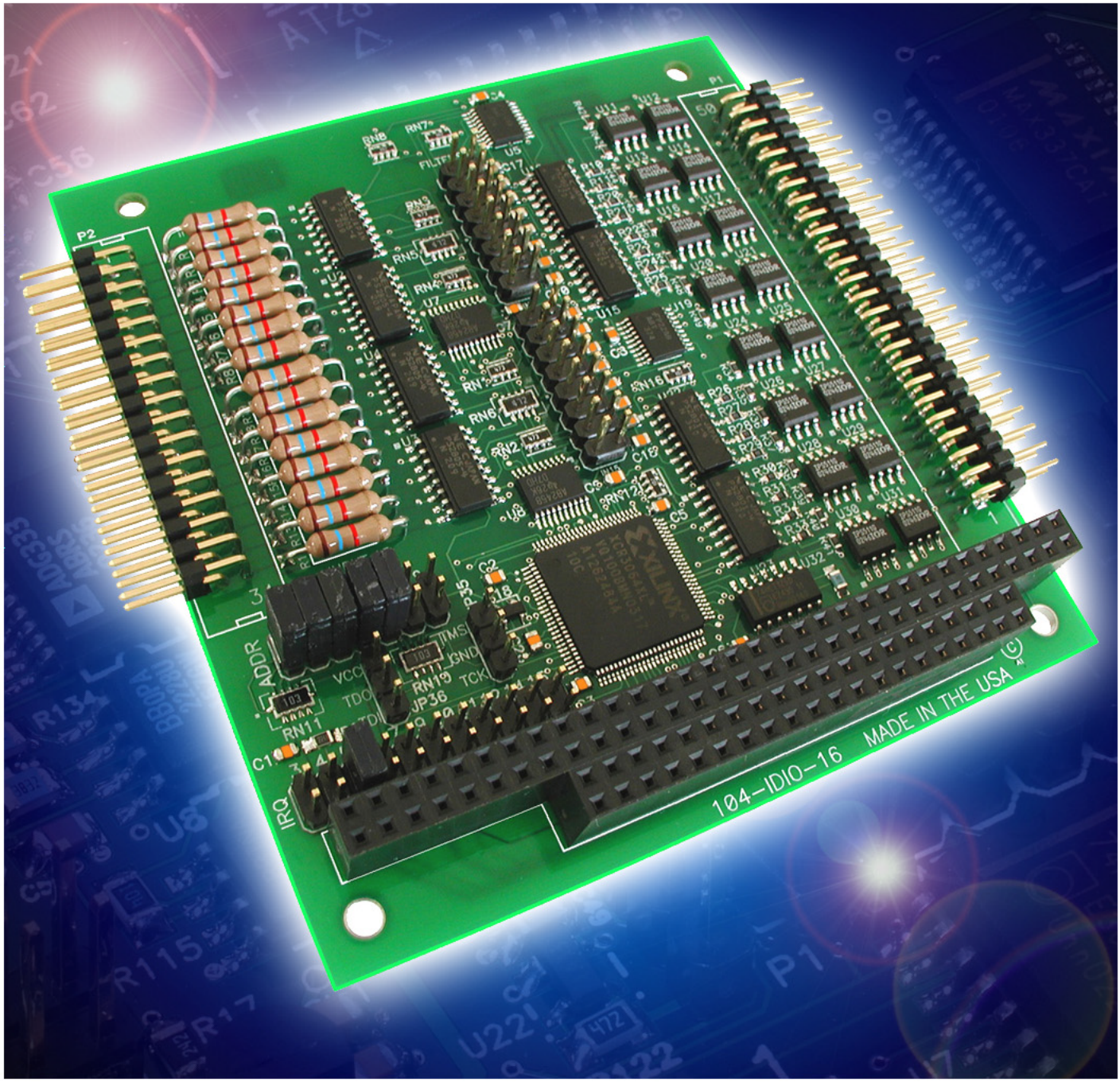

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