



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

***New Products***

## **USB Optically Isolated Input and Solid State Relay Output Module**

SAN DIEGO, Calif.—May 20, 2008—ACCES I/O Products announces the latest addition to its impressive line of USB/104 I/O modules – Model USB-IDIO-16. The unit features 16 individually optically isolated inputs and 16 fully protected solid state FET outputs capable of switching up to 2A each. The USB-IDIO-16 is fully compatible with both USB 1.1 and USB 2.0 ports and offers hotplug functionality for quick connect/disconnect whenever you need additional I/O on your USB port. The circuit isolation makes the module 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.

The USB-IDIO-16 is 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.

Key features of the USB-IDIO-16 include:

- 16 individually optically isolated inputs (channel to channel and channel to ground)
- Polarity insensitive AC/DC inputs accept up to 31 VDC or AC RMS
- Jumper selectable filtering per input channel for AC or voltage transients
- 16 optically isolated fully protected FET high-side switch outputs
- Outputs capable of switching from 5-34 VDC at up to 2A
- Internal, removable screw terminal board for easy wiring
- USB/104 form-factor for OEM embedded applications
- Small, (4" x 4" x 1.4") rugged industrial enclosure
- OEM version (board only) features PC/104 module size and mounting compatibility
- Extended temperature and DIN rail mounting provisions
- All required power drawn from USB port, no external power adapter required
- Eight input/output version (USB-IDIO-8) available

The USB-IDIO-16 was designed to be used in rugged industrial environments but is small enough to fit nicely onto any desk or testing station. The board measures just 3.550 by 3.775 inches and ships inside a steel powder-coated enclosure with an anti-skid bottom. A DIN rail mounting provision is available for installation in industrial environments. What makes the OEM option unique is that its PCB size and pre-drilled mounting holes match the PC/104 form factor (without the bus connections). This ensures easy installation using standard standoffs inside most enclosures or systems. The USB-IDIO-16 can be integrated into any PC/104, PCI-104, or PCI/104-Express stack by connecting it to a USB 2.0 port usually included on-board with embedded CPU form factors such as EBX, EPIC, and PC/104—especially important since many newer CPU chipsets do not support ISA and have plenty of USB ports.

The USB-IDIO-16 is supported for use in most operating systems and includes a free Linux (including Mac OS X) and Windows 95/98/Me/NT/2000/XP/2003-compatible software package. This package contains sample programs and source code in 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 most popular application programs, and includes example LabVIEW VIs. Embedded OS support includes Windows XPe.

**About ACCES I/O Products, Inc.**

For over 20 years, ACCES I/O Products, Inc. has supplied 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.accessio.com](http://www.accessio.com).

<b>Price:</b>	USB-IDIO-16	\$329
	USB-IDIO-8	\$259

**Availability:** Now

**Delivery:** Stock to two weeks ARO

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ACCESS I/O Products' Releases New Optically  
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