ACCES I/O PRODUCTS, INC.

** FOR IMMEDIATE RELEASE **

New Products

ACCES I/O Releases a New Series of Multifunction USB Analog Output Modules (10 Models) Starting Under $300 USD

SAN DIEGO, CA—March 5, 2010—ACCES I/O Products, Inc. announces the latest addition to its extensive line of small form factor USB-based data acquisition and control I/O modules—the USB-AO Series. This innovative line of 12 and 16-bit USB modules will be showcased at the upcoming Embedded Systems Conference in San Jose. Starting with its flagship model, the USB-AO16-16A, this high speed USB 2.0, multifunction board features 16 channels of 16-bit resolution analog outputs along with two 16-bit analog inputs and 16 digital I/O lines—all packaged in a small, rugged, industrial enclosure. This module can be used in any PC or embedded system with a USB port and is an ideal choice for embedded system and test designers. The USB-AO16-16A can be used in an assortment of USB-based embedded applications which require stable and accurate output signals. Ideal applications include light control, motion control, and process controls.

The USB-AO Series includes 10 models with list prices ranging from $299 to $699, an unprecedented value. The boards features both unipolar and bipolar output ranges. Additional specific ranges can be achieved as factory options. All analog output channels can be updated either individually or simultaneously. System calibration specific to user requirements can be performed via a provided, easy-to-use, software utility. Automatic circuits limit analog outputs to zero volts until initialized via software command.

A micro USB header connector is provided in parallel with the high retention type B connector and can be used for stacking and embedded applications. Available accessories include a wide variety of cables and screw terminal boards for quick and easy connectivity.

Key features of the USB-AO Series include:

- **Up to 16 analog outputs with 12 or 16-bit resolution**
- **High-speed USB 2.0 device, USB 1.1 compatible**
- **Unipolar and bipolar output ranges**
- **Real-time hardware calibration per channel**
- **Update outputs individually or simultaneously**
- **Two 16-bit analog inputs and 16 lines of digital I/O**
- **All digital I/O lines buffered with 10mA source, 24mA sink current capabilities**
- **USB/104 form-factor for OEM embedded applications**
- **OEM version (board only) features PC/104 module size and mounting compatibility**
- **Alternate micro-fit embedded USB header connector**
- **Type B USB connector features industrial strength and high-retention design**
- **Extended operating temperature and DIN rail mounting provisions**
- **Small, (4” x 4” x 1.25”) rugged, steel industrial enclosure**
- **Eight or four channel versions available**

The USB-AO Series 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 USB/104 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 embedded enclosures or systems. The USB-AO

Series can be integrated into any PC/104-based stack by simply connecting it to a USB port included on-board with embedded CPU form factors such as EBX, EPIC, and PC/104.

The USB-AO Series utilizes a high-speed custom function driver optimized for a maximum data throughput that is 50-100 times faster than the USB human interface device (HID) driver used by many competing products. This approach maximizes the full functionality of the hardware along with capitalizing the advantage of high-speed USB 2.0. The USB-AO Series is supported for use in most operating systems and includes a free Linux (including Mac OS X) and Windows 2000/XP/2003/Vista/7 compatible software package. This package contains sample programs and source code in Visual Basic, Delphi, and Visual C++ for Windows. Also provided is a graphical setup program in Windows. Third party support includes a Windows standard DLL interface usable from the most popular application programs, and includes LabVIEW VIs. Embedded OS support includes Windows Xpe.

Readers can view a data sheet and manual for the USB-AO Series by visiting the product webpage at www.accesio.com/USB-AO16-16A

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 Express, Low Profile PCI, Pico-ITXe, Pico-I/O, ETX, USB, USB/104, USB/PICO, 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:	Prices range from $299 to $699 depending on model Please inquire for OEM and volume pricing
Availability:	Now
Delivery:	Stock to two weeks ARO

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Multifunction USB Module Features 16 Analog Outputs with 16-Bit Resolution

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