



**** FOR IMMEDIATE RELEASE ****

New Products

New Multifunction High-Speed USB Module Provides Optimized Digital I/O for Economical Digital Control and Monitoring

SAN DIEGO, CA—July 22, 2015—ACCES I/O Products, Inc. reveals its newest USB digital I/O module—Model USB-DIO24-CTR6. This multifunction, high speed USB device is an ideal solution for adding portable, easy-to-install, industrial strength digital I/O and counter capabilities to any PC or embedded system with a USB port. An ideal choice for embedded system and test designers, the USB-DIO24-CTR6 can be used in an assortment of USB-based embedded applications including light, motion, and process controls.

The USB-DIO24-CTR6 features 24 lines of CMOS/LVTTL high-current digital I/O with two fully-undedicated 82C54's, yielding 6 counter/timers and access to the input, gate, and output pins, all packaged in a small, rugged, industrial enclosure.

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

Key features of the USB-DIO24-CTR6 include:

- **24 lines of high-current TTL digital I/O and six 16-bit counter/timers**
- **High-speed USB 2.0 device, USB 3.1 compatible**
- **All I/O lines buffered with 32mA source / 64mA sink current capabilities**
- **8254 Gate, Input and Output lines independently accessible at connector**
- **Field selectable CMOS (+5V) or LVTTL (3.3V) VCCIO signal levels**
- **Type B USB connector features industrial strength and high-retention design**
- **Compatible with industry standard I/O racks such as Grayhill, Opto 22, Western Reserve Controls, etc.**
- **OEM version (board only) features PC/104 module size and mounting compatibility**
- **Alternate micro-fit embedded USB header connector**
- **Industrial temperature operation and DIN rail mounting provisions**
- **Small, (4" x 4" x 1.25") rugged, steel industrial enclosure**

The USB-DIO24-CTR6 is 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 embedded enclosures or systems. The USB-DIO24-CTR6 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.

The USB-DIO24-CTR6 utilizes a high-speed custom function driver optimized for a maximum data throughput that is thousands of 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-DIO24-CTR6 is supported for use in most operating systems and includes a free Windows and Linux (including Mac OS X) compatible software

package. This package contains sample programs and source code in C#, Delphi, and Visual C++ for Windows. Also provided is a graphical setup program in Windows. Linux support includes installation files and 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 LabVIEW 8.5+ VIs. Embedded OS support includes Windows Xpe, WES7, etc.

Readers can view a data sheet and manual for the USB-DIO24-CTR6 by visiting the product webpage at www.accesio.com/USB-DIO24-CTR6.

About ACCES I/O Products, Inc.

For over 25 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 Ethernet, PCI Express, PCI Express Mini Card, USB, USB/104, USB/PICO, PC/104, PCI, Ethernet and ISA, as well as distributed, wireless I/O, and computer-on-module (COM) form factors. All hardware comes with a 30-day, no-risk return policy and a three-year warranty. 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 \$104 to \$224 depending on model
Please inquire for OEM and volume pricing

Availability: Now

Delivery: Stock to two weeks ARO

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 Provides Optimized Digital I/O for Economical
 Digital Control and Monitoring

