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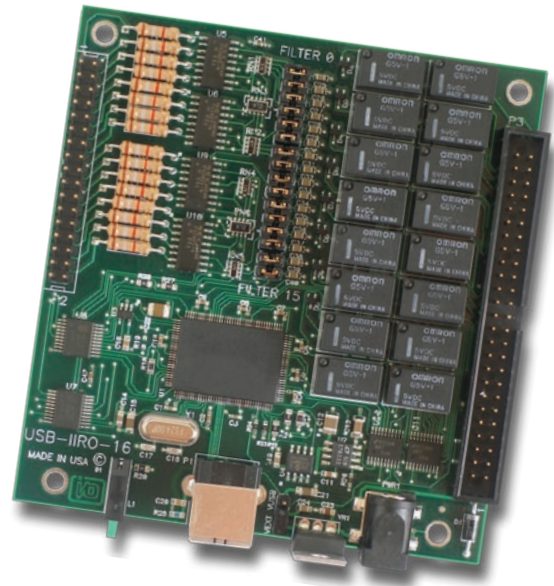
**USB-IIRO-16**

Model USB-IIRO-16 features 16 electromechanical relays and 16 optically isolated digital inputs. The board is a very dense, portable, embedded solution for digital monitoring and control in any PC or embedded system with a USB port. The board ships with a removable screw termination board with onboard removable screw terminals to simplify wiring connections. The USB-IIRO-16 is excellent in applications where onboard relays are required and inputs must be isolated such as in test equipment, instrumentation, and process control. The OEM version provides just the board without the enclosure and internal screw termination board and is ideal for a variety of embedded OEM applications.

What makes the OEM option unique is that its PCB size and mounting holes match the PC/104 form factor, without the bus connections. This setup allows our rugged digital board to be added to any PCI-104 or PC/104 stack by connecting it to a simple USB port usually included onboard 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. Future stacks will be using the extremely fast PCI Express bus, which is essentially overkill for simple digital monitoring and control. The USB-IIRO-16 OEM board can also be added into many preexisting standard PC/104-based systems and enclosures while the standard unit with its tiny enclosure and cableless screw termination board provides portable connections to laptops for the mobile test market.

The board 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.

ACCES I/O Products, Inc. supplies an extensive range of analog, digital, serial communication, and isolated I/O boards and solutions. ACCES products are designed for use with PC/104, PCI, PCI-X, Low-Profile PCI, EBX, EPIC, USB, Ethernet, and ISA.

**FEATURES:**

- Plug-and-play, high-speed USB 2.0 device, USB 1.1 compatible
- 16 optically isolated inputs
- 16 Form C electromechanical 1A relays
- Internal, removable screw terminal board for easy wiring
- Small (4" x 4" x 1.25") rugged industrial enclosure available
- Custom, high-speed function driver
- PC/104 module size and mounting compatibility
- Eight input/output version (USB-IIRO-8) available along with relay-only and input-only versions
- Full software support for use in Linux, Windows, and other operating systems, with drivers and samples in a variety of languages