

ACCES I/O Products, Inc.

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www.accessio.com**FAST USB-DIO Series**

Model USB-DIO-16H features 16 high-speed buffered digital inputs or digital outputs at continuous, sustained streaming speeds up to 16 MB/s for fast, unlimited waveform length. The module is capable of 80 MB/s bursts with handshaking signals for synchronizing communications plus an additional 18 bits of general purpose digital I/O. The USB-DIO-16H is a port-powered high-speed USB 2.0 device and offers hot swapping functionality for quick connect/disconnect whenever you need additional I/O on your USB port. The OEM USB/104 version provides just the board without the enclosure and is ideal for a variety of embedded OEM applications – simply connect to any available USB port. These modules are especially useful where high-speed data needs to be captured or output for testing or stimulus/response applications. These include testing and debugging, laboratory automation, manufacturing test, image capture, process monitoring, data source emulation, and many more.

**FEATURES**

- › 16 high-speed digital I/O lines feature continuous, sustained throughput up to 16 MB/s
- › Capable of 80 MB/s bursts with flexible synchronous clock and handshaking capabilities
- › Continuous streaming over USB with no maximum waveform length
- › Onboard embedded 128 kB FIFO memory
- › 18 additional digital I/O lines arranged in 4 programmable groups
- › All outputs buffered with 24 mA sink/source capabilities
- › Type B USB connector features high-retention design
- › Alternate embedded USB connector
- › USB/104 form factor for OEM embedded applications features PC/104 module size and mounting compatibility