USB-COMi USB-to-RS-485 Converter

Adds high speed RS-485 port via USB connection.

384 byte receive buffer.

128 byte transmit buffer for high data throughput.

Data rates: 300 bps to 230K bps.

Serial connector: DB-9.

Easy connection to DGH modules, Industrial control devices.

Bus-powered. No external power supply needed.

The USB-COMi is a USB to RS-485 converter. It allows easy serial port expansion without requiring IRQ, DMA, or I/O port resources. The USB-COMi allows the user to easily and economically connect RS-485 devices to a host using USB. The RS-485 communications standard is used by DGH sensor based data acquisition modules and many industrial control devices.

The USB-COMi is based on a single chip USB UART for transferring serial data over the Universal Serial Bus without the need for card-slots. The converter has an internal 128 byte transmit buffer FIFO and a 384 byte receive buffer FIFO. It supports baud rates of up to 230K. External power is not required since USB-COMi takes its power from the USB bus. Connection to USB is via a 3-foot detachable USB cable. Connection to RS-485 is thru the converters DB-9 male connector. The converter is housed in a plastic enclosure designed for rugged applications.

The USB-COMi can interface RS-485 modules to a host using a USB connection. When using the USB-COMi with a DGH module or any RS-485 device that requires wiring, DGH recommends its' CA-3 cable. The CA-3 is a 3-foot serial cable with a female DB-9 connector and tinned wires ready for connection to RS-485.