INT2224E Catalog

INT2224E Description:

The INT2224E is a Dual Channel, 24-Bit, 2.5MS/s, Simultaneous Data acquisition module that transfers data in real-time to PC using the USB2.0 HS port. Its analog inputs ranges is -10V to +10V including Wide-band analog front-end amplifier.

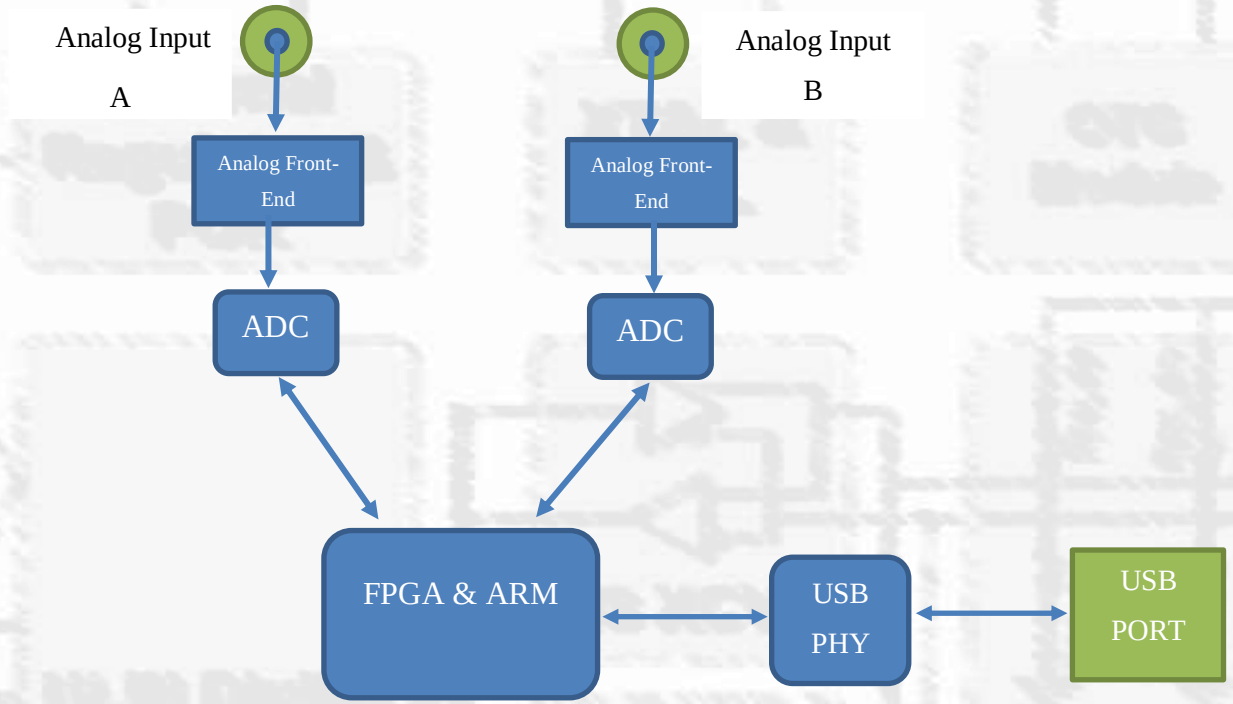
This module is a Plug and Play USB device (intelliCo INT2224E) that uses a couple of AD7760 24-Bit ADCs for synchronous data sampling, a SPARTAN-3 FPGA and STM32F407 ARM Cortex-M4 Microcontroller to establish USB high speed communication.

The module is delivered with fully functional Windows and LabVIEW software Drivers. A couple of user-friendly VIs in LabVIEW is designed to make the user able to save the acquired samples to a binary file (*.bin) or graphically show the signals of both channels. The saved .bin files could be read and decoded in MATLAB environment using a script (INT2224E.m) and to make plots for each channel.

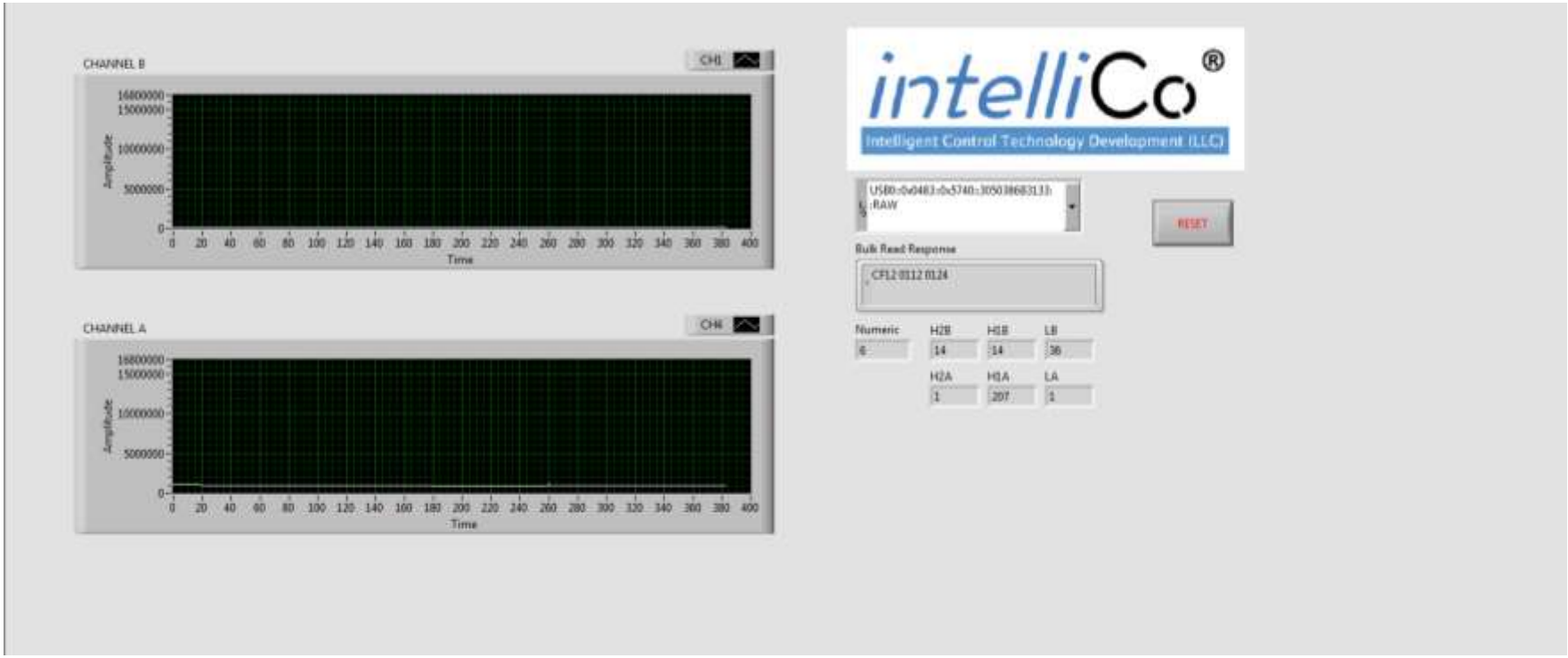
INT2224E Specification:

- Dual Channel, 24-Bit, 2.5MS/s, Simultaneous Data acquisition module
- Real-time data transfer to PC using the USB2.0 HS port
- -10V to +10V analog input range including Wide-band analog front-end amplifier
- Plug and Play USB device (intelliCo INT2224E)
- Easy to install and use Windows and LabVIEW Drivers
- Using a couple of AD7760 24-Bit ADCs for synchronous data sampling
- Using SPARTAN-3 FPGA and ARM Cortex-M4 Microcontroller for establish USB high speed communication
- LED indicator for Power
- LabVIEW VIs and MATLAB script for data storage and plot
- One year warranty
- 10 years of technical support

INT2224E Block Diagram:



INT2224E VI Screenshot:



MATLAB Plot Screenshot