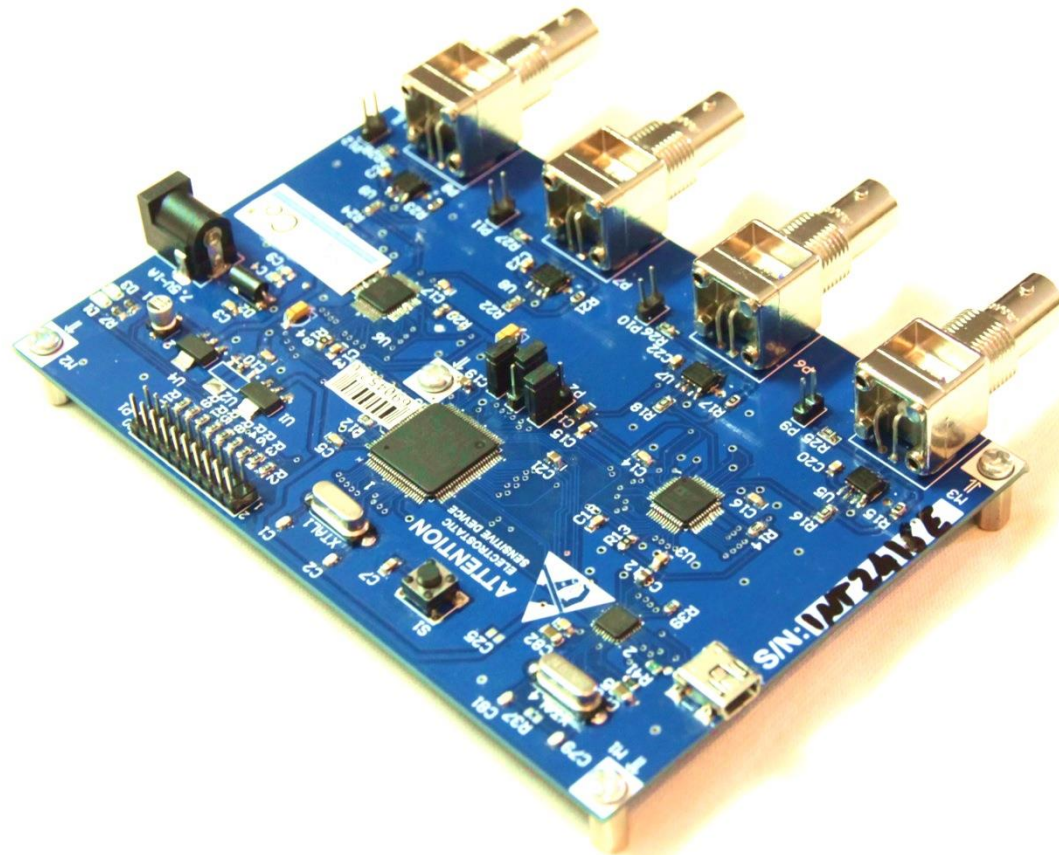


INT2416 Catalog



INT2416 Description:

The INT2416 is a 4-Channel, 16-Bit, 500kS/s, Simultaneous Data acquisition module that transfers data in real-time to PC using the USB2.0 HS port. Its analog inputs range is from 0V to 5V, including Wide-band analog front-end amplifier. The analog front-end includes the option for choosing High impedance or 50Ω inputs using a jumper for each channel.

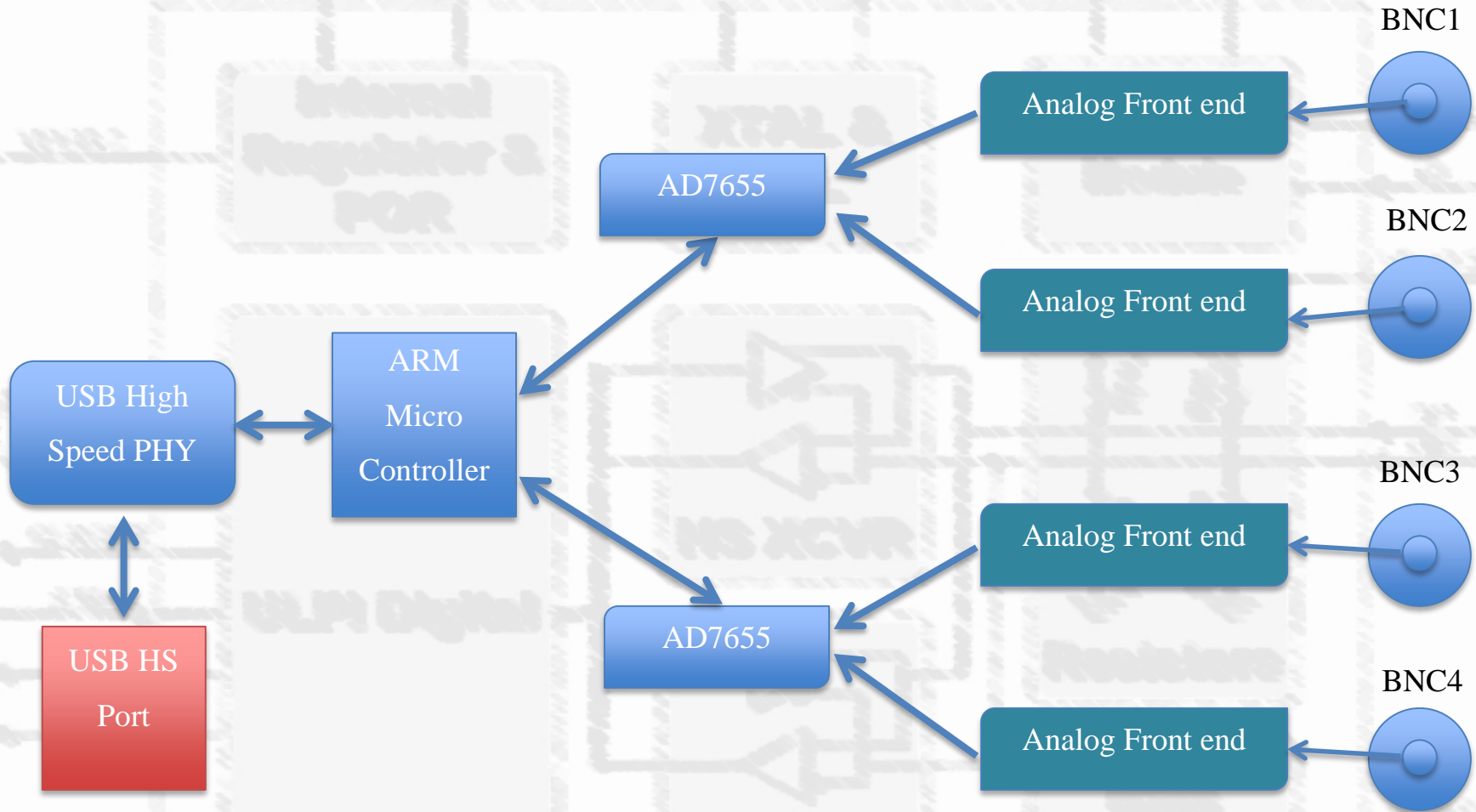
INT2416 module is a Plug and Play USB device, which uses a couple of AD7655 16-Bit ADCs for simultaneous data sampling and a STM32F407 ARM Cortex-M4 for establish USB 2.0 high speed communication.

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 data to a binary file (*.bin) or graphically show the signals of four channels. The saved data could be decoded in MATLAB using a script (INT2416.m) that is found in the product DVD.

INT2416 Specification:

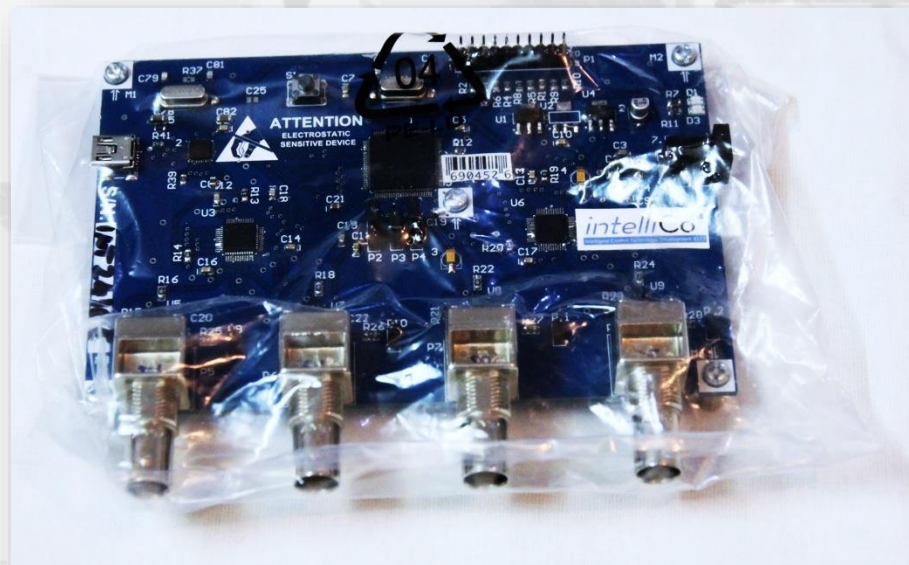
- Quad Channel, 16-Bit, 500ks/s, Simultaneous Data acquisition module
- Real-time data transfer to PC using the USB2.0 HS port
- 0V to 5V analog input including Wide-band analog front-end amplifier
- Choosing High impedance or 50Ω inputs using a jumper for each channel
- Plug and Play USB device (intelliCo INT2416)
- Easy to install and use Windows and LabVIEW Drivers
- Using a couple of AD7655 16-Bit Analog Devices ADCs for synchronous data sampling
- Using STM32F407 ARM Cortex-M4 Microcontroller for establish USB high speed communication
- LED indicator for Power
- One year warranty
- 10 years of technical support

INT2416 Block Diagram:

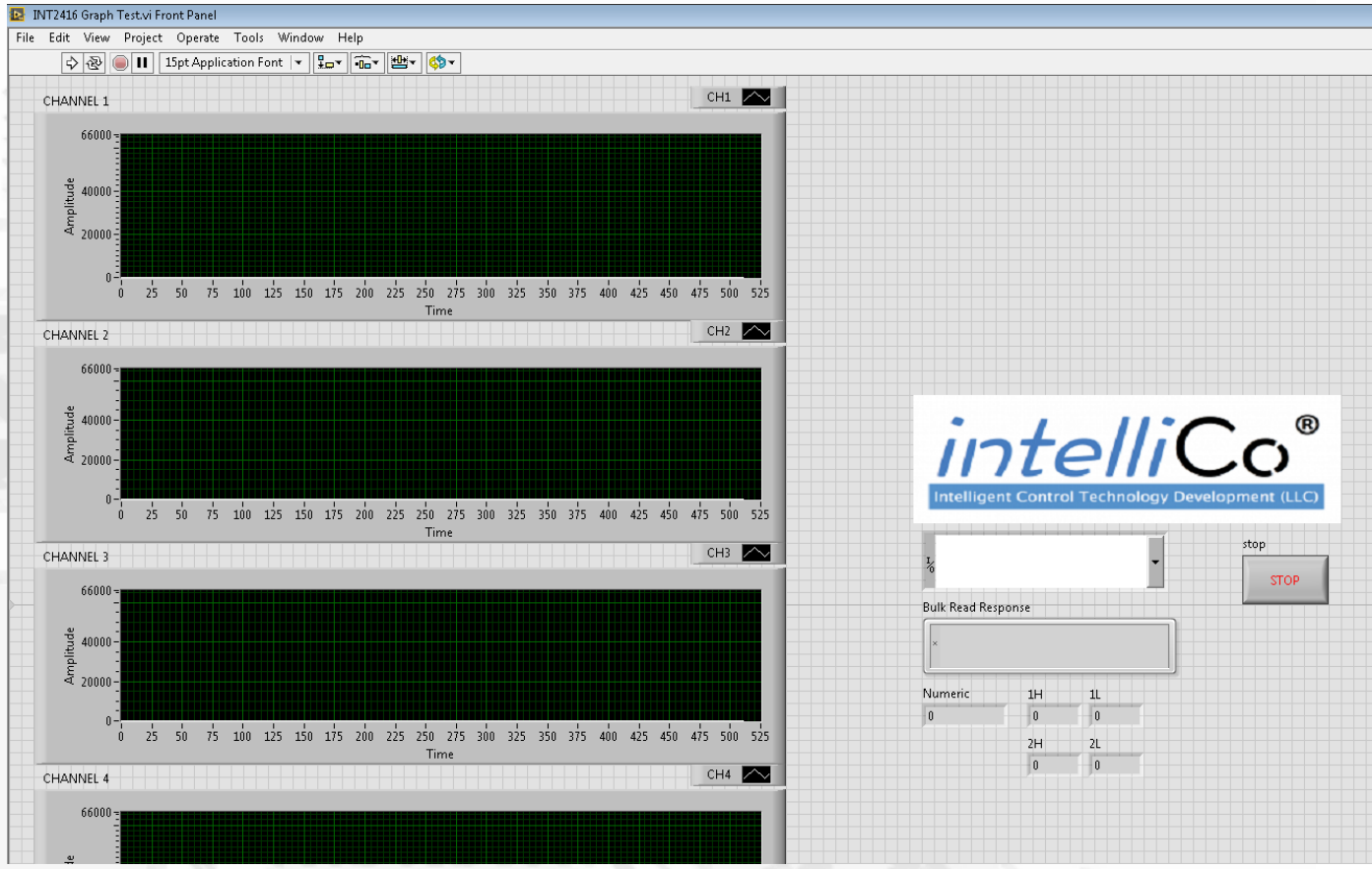


Items to be found in the Product Package:

- INT2416 module
- 7.5V 2A Power supply
- USB2.0 HS Cable
- 4 Jumpers for choosing input type
- Product DVD (Including NI LabVIEW 2014, 2014 NI LV Patch, NI Visa Driver, User manual in PDF, LabVIEW VIs for graph test and save file, MATLAB script for open the saved files)
- Warranty



INT2416 VIs Screenshot:



This screenshot shows a portion of the IntelliCo software interface. It includes the IntelliCo logo and the following data:

- Time Target (s):** 5
- Elapsed Time (s):** 2.24
- File Path:** F:\Users\AII\Desktop\data.bin
- Device ID:** 6k
- Device Name:** USB0::0x0483::0x5740::3050386B3133
- Device Type:** :RAW