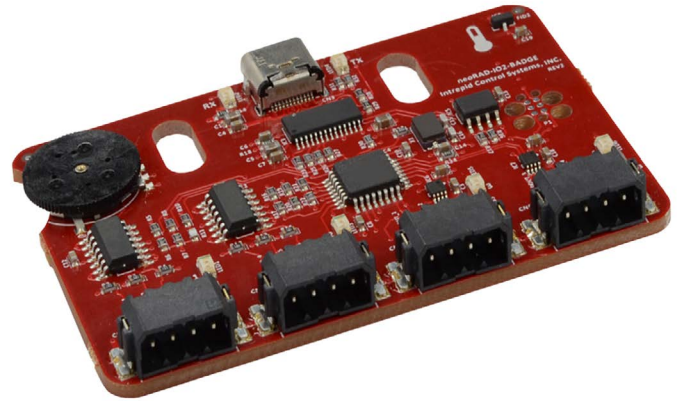


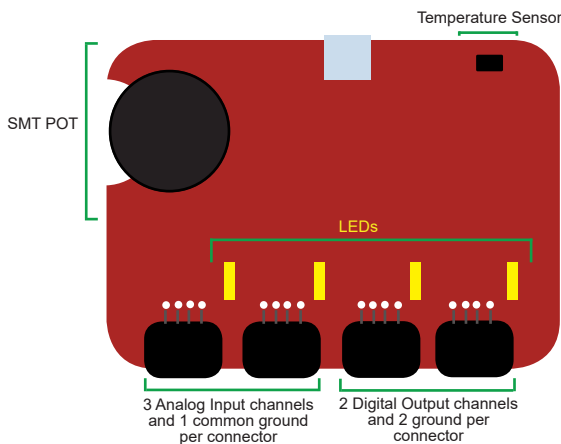
RAD-IO2-BADGE

Low-Cost Analog Input and Digital Output Device

The RAD-IO2-Badge is a demonstration platform that can measure multichannel analog input and digital output on a single low-cost device. The device mimics the RAD-IO2-AIN and RAD-IO2-PWRRLY.



Using Intrepid open source APIs, RAD-IO2-Badge can measure eight analog inputs with six 0-5V analog channels, potentiometer, and temperature sensor. This device can be used to simulate a relay module with LEDs as well as output four digital 0-5V channels. The RAD-IO2-Badge demonstrates how easy it is to get started with Intrepid Analog DAQ tools like RAD-IO2-AIN and RAD-IO2-PWRRLY.



Features

- 8 Analog inputs
 - 6 Analog 0-5V input channels
 - 1 connected to Potentiometer
 - 1 connected to temperature sensor
- 12-Bit ADC (Analog to Digital Converter)
- 4 Digital 5V output channels
- 4 LEDs for relay module simulation
- USB Type C connector for power and configuration
- Through-hole per channel for optional solder connection
- Push-in mating connector (Phoenix Contact P/N 1778858)
- Open source Python, C++ and JavaScript example files and APIs at www.github.com/intrepidcs

Ordering Information

Part Number	Description
RAD-IO2-BADGE	Demo Board For Multichannel Analog Measurement

Specifications subject to change; please contact Intrepid for the latest information. All trademarks are the property of their respective owners.

PIN #	CH1	CH2	CH3	CH4
1	AIN_1	AIN_4	DOUT_1	DOUT_3
2	AIN_2	AIN_5	DOUT_2	DOUT_4
3	AIN_3	AIN_6	GND	GND
4	GND	GND	GND	GND

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INTREPID
CONTROL SYSTEMS
www.intrepidcs.com

1850 Research Drive
Troy, MI 48083 USA
Phone: +1 (586) 731-7950
Fax: +1 (586) 731-2274



www.aeta-rice.com