ADXL375 (Accelerometer)

Library

[GitHub - adafruit/Adafruit\_ADXL375: Arduino library for ADX375 high-G accelerometer](https://github.com/adafruit/Adafruit_ADXL375)

Documentation:

[Overview | Adafruit ADXL375 | Adafruit Learning System](https://learn.adafruit.com/adafruit-adxl375?view=all)

Communication Protocol: I2C

Address: 0x53

Pins: (Wire2)

SDA2 – 25

SCL2 – 24

BMP390 (Altimeter)

[GitHub - adafruit/Adafruit\_BMP3XX](https://github.com/adafruit/Adafruit_BMP3XX)

Documentation:

[Overview | Adafruit BMP388 and BMP390 - Precision Barometric Pressure and Altimeter | Adafruit Learning System](https://learn.adafruit.com/adafruit-bmp388-bmp390-bmp3xx?view=all)

Communication Protocol: I2C

Address: 0x77

Pins: (Wire)

SDA – 18

SCL – 19

ICM 20948 (IMU)

[GitHub - adafruit/Adafruit\_ICM20X: Arduino library for ICM20X](https://github.com/adafruit/Adafruit_ICM20X)

Documentation:

[Overview | Adafruit TDK InvenSense ICM-20948 9-DoF IMU | Adafruit Learning System](https://learn.adafruit.com/adafruit-tdk-invensense-icm-20948-9-dof-imu?view=all)

Communication Protocol: I2C

Address: 0x69

Pins: (Wire1)

SDA1 – 17

SCL1 – 16

Note: All sensors reference the following libraries

[GitHub - adafruit/Adafruit\_BusIO: Arduino library for I2C & SPI abstractions](https://github.com/adafruit/Adafruit_BusIO)

[GitHub - adafruit/Adafruit\_Sensor: Common sensor library](https://github.com/adafruit/Adafruit_Sensor)

433 LoRa Radio Module

Library

[GitHub - jgromes/RadioLib: Universal wireless communication library for embedded devices](https://github.com/jgromes/RadioLib)

Or

[GitHub - sandeepmistry/arduino-LoRa: An Arduino library for sending and receiving data using LoRa radios.](https://github.com/sandeepmistry/arduino-LoRa)

Documentation:

[LoRa 1W Breakout - 433M30S - SPX-22792 - SparkFun Electronics](https://www.sparkfun.com/products/22792)

Communication Protocol: SPI

Pins:

SCK – 13

MISO – 12

MOSI - 11

CS – 10

Note: For other pins see documentation page and look at schematic file

Teensy 4.1

Documentation

<https://www.pjrc.com/store/teensy41.html>