



# keyestudio



## Ks0170 keyestudio MPU6050 Gyroscope and Accelerometer module

### Introduction:

The MPU-6050 is the world's first integrated 9-axis Motion Tracking device that combines a 3-axis MEMS gyroscope, 3-axis MEMS accelerometer, and a Digital Motion Processor (DMP). With its dedicated I2C sensor bus, it directly accepts inputs from an external 3-axis compass to provide a complete 9-axis output. The MPU-6050 is also designed to interface with multiple non-inertial digital sensors, such as pressure sensors. The MPU-6050 features three 16-bit analog-to-digital converters (ADCs) for digitizing the gyroscope outputs and three 16-bit ADCs for digitizing the accelerometer outputs.

### Specification:

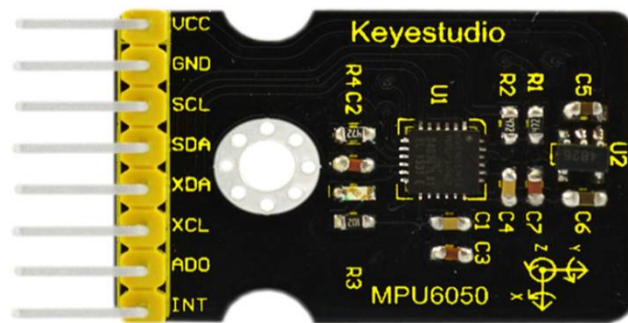
Supply Voltage: Max 3~5V

Current: >10mA

Interface: I2C

More info at KEYESTUDIO

[https://wiki.keyestudio.com/Ks0170\\_keyestudio\\_MPU6050\\_Gyroscope\\_and\\_Accelerometer\\_module](https://wiki.keyestudio.com/Ks0170_keyestudio_MPU6050_Gyroscope_and_Accelerometer_module)



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