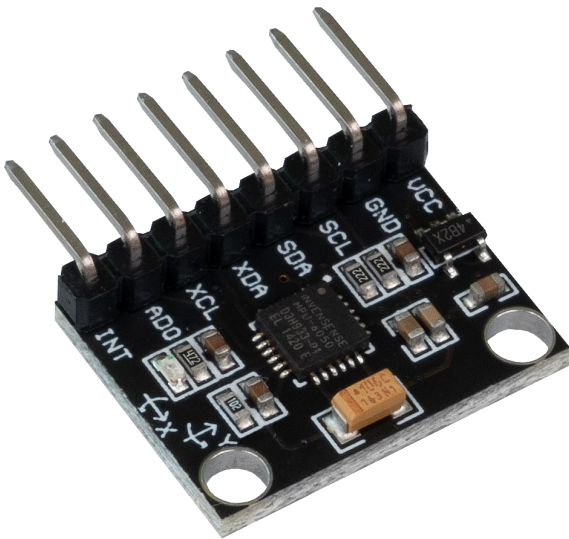


ACCELEROMETER / GYROSCOPE MODULE

SEN-MPU6050



The SEN-MPU6050 has 3 gyroscope and 3 acceleration axes and thus has 6 degrees of freedom. This allows the sensor to measure up to 16'384 LSB/g and 131 LSB/dps.

With the help of the AD0 pin, the I2C address of the sensor can be changed between 0x68 and 0x69. That way you can connect 2 sensors to your I2C bus at the same time.

KEY FEATURES

Module chip	MPU6050
Axes	3 acceleration and 3 gyroscope axes
Degrees of Freedom	6 DOF (simultaneous)
Voltage Supply	3,3 -5 V (DC)
Logic level	3,3 V (DC)
Voltage regulation	Low-Dropout Regulator
Interface	I ² C
Dimensions	25 x 20 x 7 mm
Items delivered	MPU6050 sensor module

FURTHER SPECIFICATIONS

Number of pins	8
Pin spacing	2.54 mm
Accelerometer range	± 2, ± 4, ± 8, ± 16 g
Accelerometer sensitivity	at ±2g : 16384 LSB/g at ±4g : 8192 LSB/g at ±8g : 4096 LSB/g at ±16g : 2048LSB/g
Gyroskop range	± 250, ± 500, ± 1000, ± 2000 °/s
Gyroskop sensitivity	at ±250dps : 131 LSB/dps at ±500dps : 65.5 LSB/dps at ±1000dps : 32.8 LSB/dps at ±2000dps : 16.4 LSB/dps
Temperature sensor measuring range	-40 to 85 °C
Temperature sensor sensitivity	340 LSB/°C

FURTHER DETAILS

Article No.	SEN-MPU6050
EAN	4250236819136
Customs Tariff No.	854231900