

	Customer sensor (no proprietary information)	6DOF MPU-6050 Module 3 Axis Gyroscope + Accelerometer Module for Arduino MPU 6050	BWT901CL Bluetooth Gyroscope MPU9250 module angle output 9-axis Accelerometer Gyroscope Serial port TTL IIC Four-rotor APP	Adafruit ±200G Analog output ADXL377	KIONIX - Accelerometers	MONNIT WIRELESS ACCELEROMETER - TILT SENSOR - COMMERCIAL COIN CELL POWERED	MODEL 810M1 ACCELEROMETER
What it Measures	acceleration	Acceleration & angle	Acceleration & angle	Acceleration & orientation	Acceleration	Acceleration & tilt	Accelerometer
Force range		± 2 ± 4 ± 8 ± 16g + 250 500 1000 2000 ° /s	± 16g, angular velocity: ± 2000 ° / s	+/-200G	+/-2/4/8/16g	± 2.0 g 0° to 180° > -180° to -0°	±25g or ±100g
Power usage		3-5V	3V-6V	3v-5v	1.71-3.6V, 155 uA	2V-3.6V 0.7 µA (sleep mode) - 35mA (radio TX mode)	3.3 to 5.5Vdc 22uA
dimensions		21*15*1.2 mm	25.4mm X 25.4mm	3mm X 3mm X 1.45mm	2 x 2 x 0.9 mm	1.775 in x 1.04 in x 0.785 in	12.7mm x 15.24mm x 4.85mm
Board included?		yes	no	no	no	no	no
Chip used		MPU-6050		ADXL377	KXTJ3-1057		
Mass		3g					3g
communication		standard IIC communication agreement	Serial port of bluetooth	Analog output	I2C digital communication interface up to 3.4MHz		
notes		Arduino			"High shock survivability"	Cell battery lasts 1-2 years	