

# DFRobot

## Triple Axis Accelerometer MMA7260 (SKU: DFR0068)



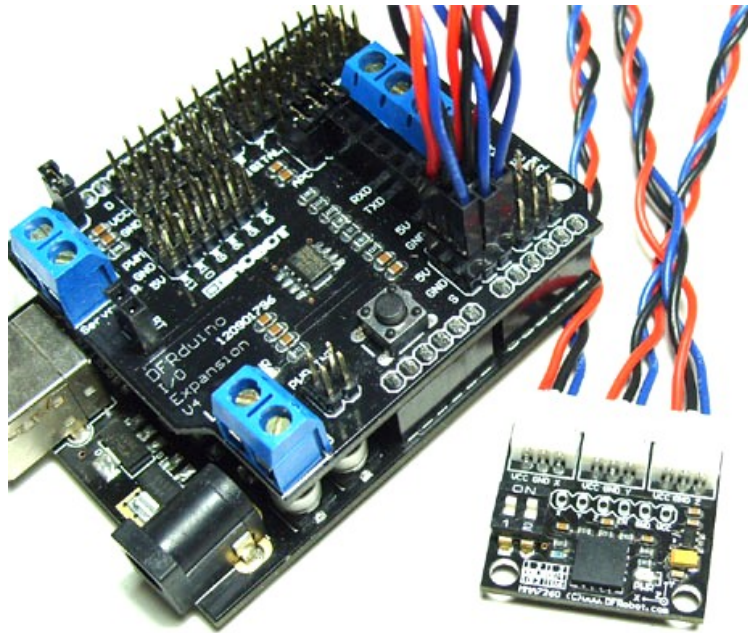
Triple Axis Accelerometer MMA7260 (SKU: DFR0068)

The *MMA7260Q* from Freescale is a very nice sensor with easy analog interface. The *MMA7260QT* is a 3.3V part and outputs an analog voltage for each of the three outputs. This voltage is in ratio to the measured acceleration and to the supply voltage (ratiometric). It has selectable sensitivity by dip switch. You will need some extra hardware to convert this analog signal to a usable digital one. The Arduino is really good option for it. This break board is especially designed for Arduino which has 3 JST connector that can be easily plug into our IO/Sensor expansion board.

### Specification

- Voltage:3.3-8V
- Selectable sensitivity:±1 . 5g / 2g / 4g / 6g
- Low power:500μA @ measurement mode , 3μA @standby ;
- High sensivity: 800 mV / g @ 1.5g ;
- Low pass filter
- Size:23x26mm
- Weight: 5 gram

### Connection Diagram



## MMA7260 Connection Diagram

The diagram consist of the following items:

- [IO Expansion Shield For Arduino\(V5\) \(SKU: DFR0088\)](#)
- [Analog Sensor Cable For Arduino \(SKU:FIT0031\)](#)

## Sample Code

```
//Arduino Sample Code
void setup()
{
  Serial.begin(19200); // 9600 bps
}
void loop()
{
  int x,y,z;
  x=analogRead(0);
  y=analogRead(1);
  z=analogRead(2);
  Serial.print("x= ");
  Serial.print(x ,DEC);
  Serial.print(',');
  Serial.print("y= ");
  Serial.print(y ,DEC);
  Serial.print(',');
  Serial.print("z= ");
  Serial.println(z ,DEC);
  delay(100);
}
```

## Reference

- [Datasheet](#)
- [Tom Igoe's online tutorial using the MMA7260Q](#)