

GY-BME/BMP280 -5V

5V 供電

Description

ME-BME280 is a Breakout Board featuring a Bosch Sensortec ME280 Temperature, Humidity & Pressure Sensor.

The board has selectable I2C address jumper (solder link GS2), I2C pull-up resistors, 7 pin header 2.54mm, and two mounting holes 3.5mm.

Default setting of the board; single power rail Vdd=Vdd_IO (solder link G S1), pull-ups resistors (R2, R3) 10k, protocol selector resistor 0ohm (R1), decoupling capacitors 0.1uF on both power supply pins Vdd & Vdd_IO.

If you connect board to both power rails VDD_IO 1.8V and VDD 3.3V be sure to remove the power rail jumper GS1!

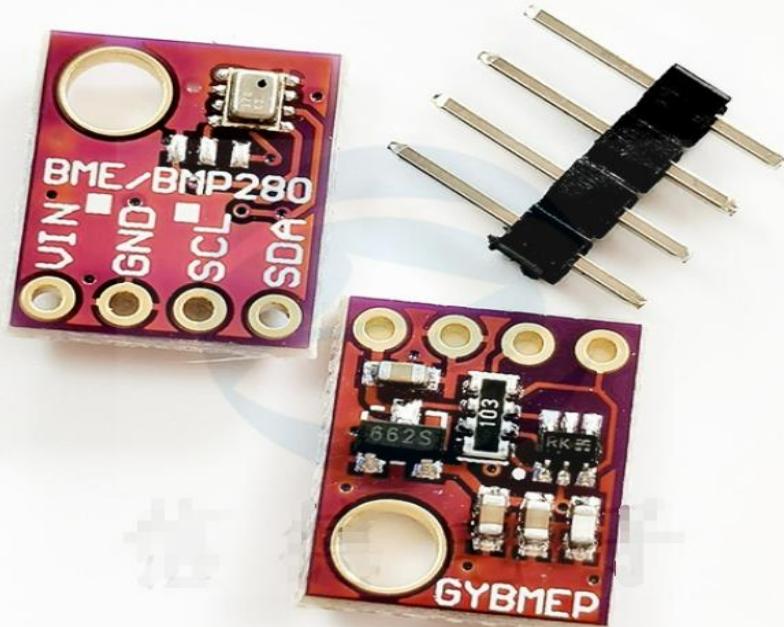
BME280 Features

- Package 2.5 mm x 2.5 mm x 0.93 mm metal lid LGA
- Digital interface I2C (up to 3.4 MHz) and SPI (3 and 4 wire, up to 10 MHz)
- Supply voltage VDD main supply voltage range: 1.71 V to 3.6 V
VDDIO interface voltage range: 1.2 V to 3.6 V
- Current consumption 1.8 uA @ 1 Hz humidity and temperature
2.8 uA @ 1 Hz pressure and temperature
3.6 uA @ 1 Hz humidity, pressure and temperature
0.1 uA in sleep mode
- Operating range -40...+85 C, 0...100 % rel. humidity, 300...1100 hPa- H
umidity sensor and pressure sensor can be independently enabled/disable d

Bosch has stepped up their game with their new BMP280 sensor, an environmental sensor with temperature, barometric pressure that is the next generation upgrade to the BMP085/BMP180/BMP183. This sensor is great for all sorts of weather sensing and can even be used in both I2C and SPI!

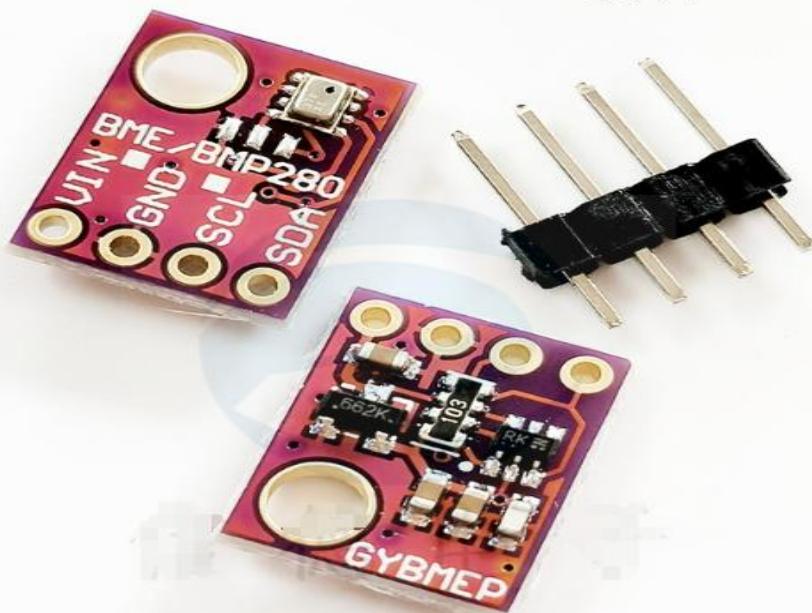
This precision sensor from Bosch is the best low-cost, precision sensing solution for measuring barometric pressure with ± 1 hPa absolute accuracy, and temperature with $\pm 1.0^{\circ}\text{C}$ accuracy. Because pressure changes with altitude, and the pressure measurements are so good, you can also use it as an altimeter with ± 1 meter accuracy

重量：1.7克左右
尺寸：14mm*11mm



GY-BMP280-5V

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尺寸：14mm*11mm



GY-BME280-5V

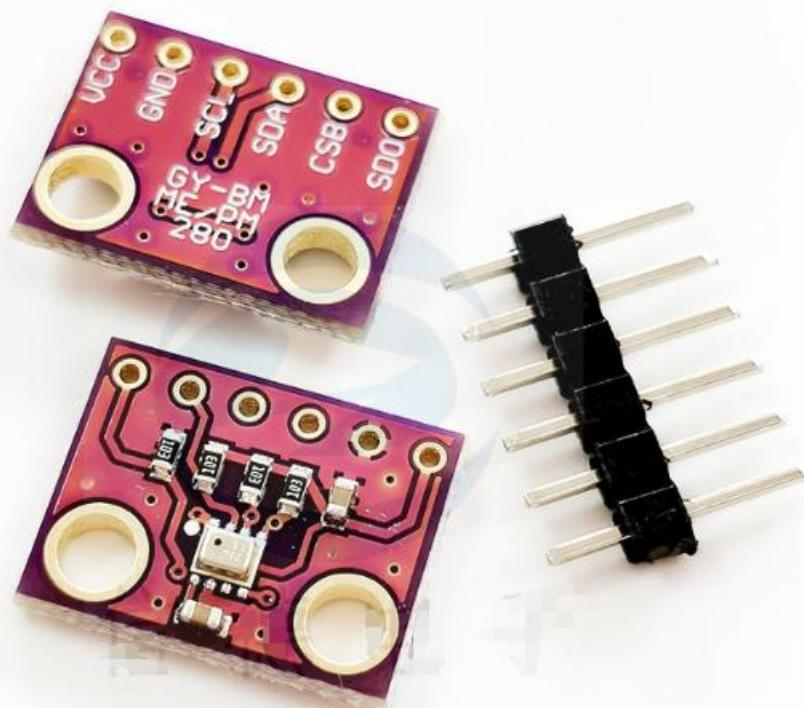
GY-BMP280-3.3 高精度大气压强传感器模块 高度计

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**重量：2克左右
尺寸：16mm*13mm**



GY-BMP280-3. 3V

GY-BME280-3.3 高精度大气压强传感器模块 高度计

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The BME280 is the next-generation of sensors from Bosch, and is the upgrade to the BMP085/BMP180/BMP183 - with a low altitude noise of 0.25 m and the same fast conversion time. It has the same specifications, but

can use either I2C or SPI. For simple easy wiring, go with I2C. If you want to connect a bunch of sensors without worrying about I2C address collisions, go with SPI.



GY-BME280-3. 3V

資料下載:

GY-BME280-5V

資料鏈接: <http://pan.baidu.com/s/1pLNoG11>

GY-BMP280-5V

資料下載 <https://pan.baidu.com/s/1EhTTujTBj4K70xDnoswD6Q>

GY-BMP280-3.3

資料 <https://pan.baidu.com/s/1sIFBAdn>

GY-BME280-3.3

資料下載：<https://pan.baidu.com/s/13fjpsasjEcPdRtWltvTjsA>

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