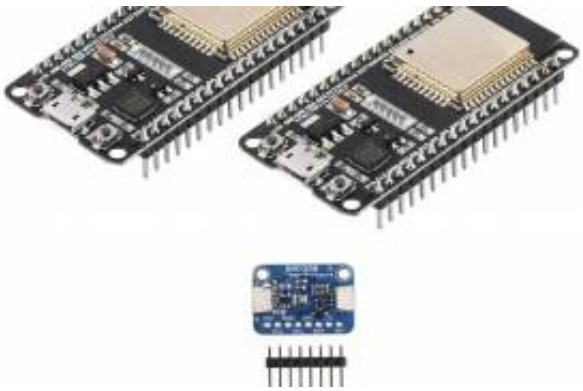
ESP32-WROOM-32 ESP32 Development Board + BMP390 Precision Barometric Pressure and Altimeter Sensor



Listing details

Reference Number:	RF731528

Common

Price:	$ 40.96
Country:	United States
Description:	

ESP32-WROOM-32 ESP32 Development Board + BMP390 Precision Barometric Pressure and Altimeter Sensor for Arduino

The ESP32-WROOM-32 ESP32 Development Board + BMP390 Precision Barometric Pressure and Altimeter Sensor is a comprehensive kit designed for Arduino enthusiasts and makers. This bundle includes two DEVIT V1 ESP32-WROOM-32 development boards and one BMP390 precision barometric pressure and altimeter sensor, providing you with all the necessary tools to embark on your DIY electronics projects.

ESP32-WROOM-32 Development Board:

The DEVIT V1 ESP32-WROOM-32 development board is built around the popular ESP32 microcontroller. It features integrated Wi-Fi and Bluetooth connectivity, making it ideal for IoT applications. The board is equipped with a dual-core processor and offers low power consumption. It is fully compatible with the Arduino IDE, ensuring ease of use for both beginners and experienced users. With support for AP, STA, and AP+STA modes, you have flexibility in configuring your network connections. The DEVIT V1 board comes with a CP2102 USB-to-serial converter, allowing for easy programming and debugging.

BMP390 Precision Barometric Pressure and Altimeter Sensor:

The BMP390 precision sensor is a high-accuracy environmental sensing module designed for measuring

barometric pressure and altitude. It offers improved precision compared to previous models, making it suitable for a wide range of applications. The sensor can be used in either I2C or SPI configurations, providing flexibility in interfacing with different microcontrollers. It features a relative accuracy of ±3 Pascals, which translates to approximately ±0.25 meters of altitude. The sensor is mounted on a custom PCB in the STEMMA QT form factor, ensuring easy integration with other components. It also includes a 3.3V regulator and level shifting, enabling compatibility with 3V or 5V logic microcontrollers.

Key Features:

- Two DEVIT V1 ESP32-WROOM-32 development boards for building wireless IoT applications.
- Integrated Wi-Fi and Bluetooth connectivity for seamless communication.
- Dual-core processor and low power consumption for efficient operation.
- Full compatibility with the Arduino IDE for ease of programming.
- BMP390 precision sensor for accurate barometric pressure and altitude measurements.
- Improved precision with a relative accuracy of ±3 Pascals.
- I2C and SPI interface options for flexible integration.
- STEMMA QT form factor for easy connection with other components.
- 3.3V regulator and level shifting for compatibility with different logic levels.

Whether you are a hobbyist, student, or professional, the ESP32-WROOM-32 ESP32 Development Board + BMP390 Precision Barometric Pressure and Altimeter Sensor bundle offers a powerful and versatile platform for your Arduino projects. With its robust features, ease of use, and high-accuracy sensor, this kit provides endless possibilities for creating innovative IoT applications, environmental monitoring systems, and more.
Note: Please ensure compatibility with your destination's outlets and voltage before purchasing, as this product may require an adapter or converter for international use.

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1. Amazon.com
2. sears.com

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