



## Description:

ESP32 Development board is based on the ESP32-WROOM-32 Module, which consists of ESP32 series microcontroller from DOIT. It is a Wi-Fi + Bluetooth + BLE development board. The module has a 32-Bit Dual Core MCU, ultra-low power, based on 40 nM technology. The module supports 802.11 b/g/n along with Bluetooth v4.2 BR/EDR and BLE specification. It has integrated 4/8/16 MB Flash, and up to 512 KB RAM. It can operate at up to 240 MHz Frequency.

The ESP32 Development board is 30 pin board, with all the interfaces accessible. It sports a Micro USB Connector, and USB to UART Bridge, reset and boot mode buttons, and an LDO regulator. Most of the important GPIOs are accessible on the board.

This board is useful to add high-capacity Wi-Fi, Bluetooth or BLE in any existing projects very rapidly. It also supports Lua scripting language, thereby making it easier to develop for the developers.

## Features:

1. Operating voltage/Power supply 3.0 V ~ 3.6 V (Typical 3.3V)
2. Operating current Average: 80 mA



## Applications:

- Smart Home and Agriculture
- Industrial Automation
- Health Care
- Consumer Electronics
- Low-power IoT Sensor Hubs and IoT Data Loggers
- Camera for Speech, Video, and image Streaming
- SDIO Wi-Fi + Bluetooth Networking Card
- Touch and Proximity Sensing

