

ESP32 MODULE TYPE-C



ESP32 Development Board TYPE-C USB CH340C CP2102 FT232 WiFi+Bluetooth Ultra-Low Power Dual Core ESP32-DevKitC-32 Expansion Board

Description

Motherboard introduction:

Development board model: ESP32-DevKitC-32

Module model: ESP32

Main control chip: ESP32-D0WDQ6-V3 dual-core 32bit MCU integrated WiFi, Bluetooth, Integrated 520-kBSRAM, 448-kBROM16-kBSRAMinRTC

External storage: 4MB

USB driver chip: CH340C, with good system compatibility, higher download speed, and more stability. Support VIN external wide voltage input 5-12V power supply (battery version maximum 5.5V input) Support USB power supply, external 3.3V power supply, and VIN power supply three kinds of power supply Mode development board size: 52*28mm/weight about

9.5g

Support ArduinoIDE mixly, mind+, Python and other programming software

ESP32 Dev Board CH340 38PIN

This is the ESP32 DEV Board (38-pin version), featuring the powerful dual-core Xtensa LX6 processor with integrated Wi-Fi and Bluetooth. It includes the CH340 USB-to-serial chipset for reliable connectivity with most computers. Ideal for IoT, automation, and robotics projects, it offers multiple GPIOs, ADCs, DACs, PWM, I2C, SPI, and UART support.

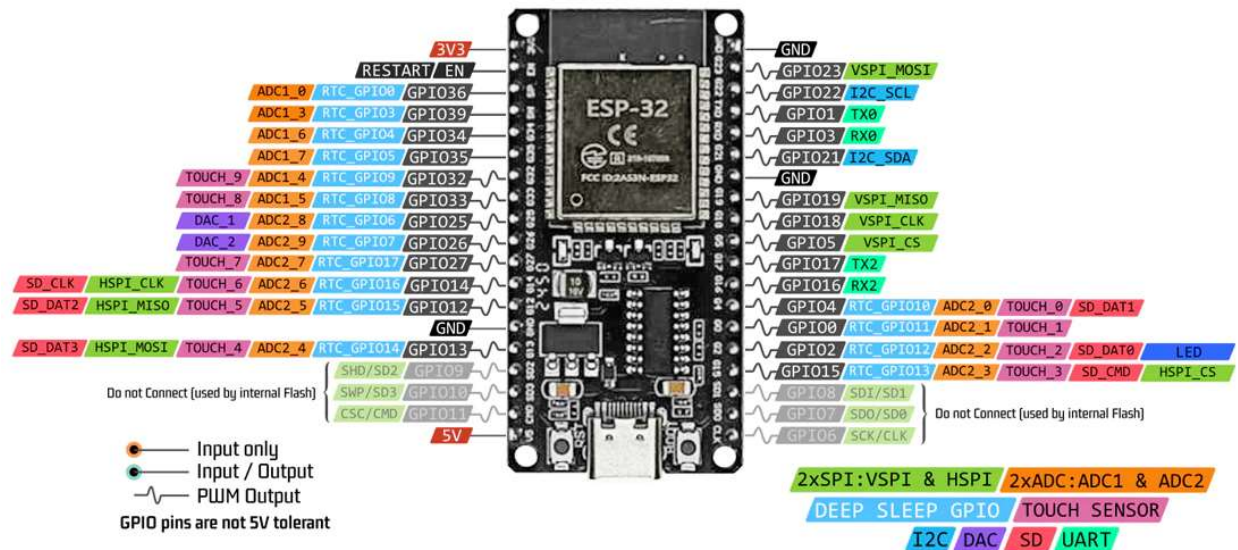


Quick Spec

- ESP32-D0WD-V3 (WROOM-based)
- Supply Voltage: 5V
- 2.4 GHz Wi-Fi

- Bluetooth 4.2
- 4 MByte (32Mbit) SPI Flash
- 448 KB ROM
- 520 KB SRAM
- 16 KB SRAM in RTC
- PCB Antenna
- Power Supply: 5V via USB (CH340), or regulated 3.3V to 3V3 pin
- Reset and User/Firmware buttons
- User and Power LED
- USB Type-C connector
- Virtual USB port provided by CH340 for debugging and firmware upgrade
- Assembled with ESP-WROOM-32 module
- Dimensions: 51.5 x 28.5mm

Pin-Out



Resources

- [Installing ESP-32 in Arduino IDE](#)
- [ESP-32 Arduino Sample Code](#)
- [ESP32 WROOM 32 Datasheet](#)
- [ESP-32 Which IO Pins Should you use?](#)
- [Blinking an LED with ESP-32 - 3 Steps](#)
- [Installing MicroPython](#)
- [Additional Information](#)
- [ESP32-DEV Dimensions and Pin Spacing](#)