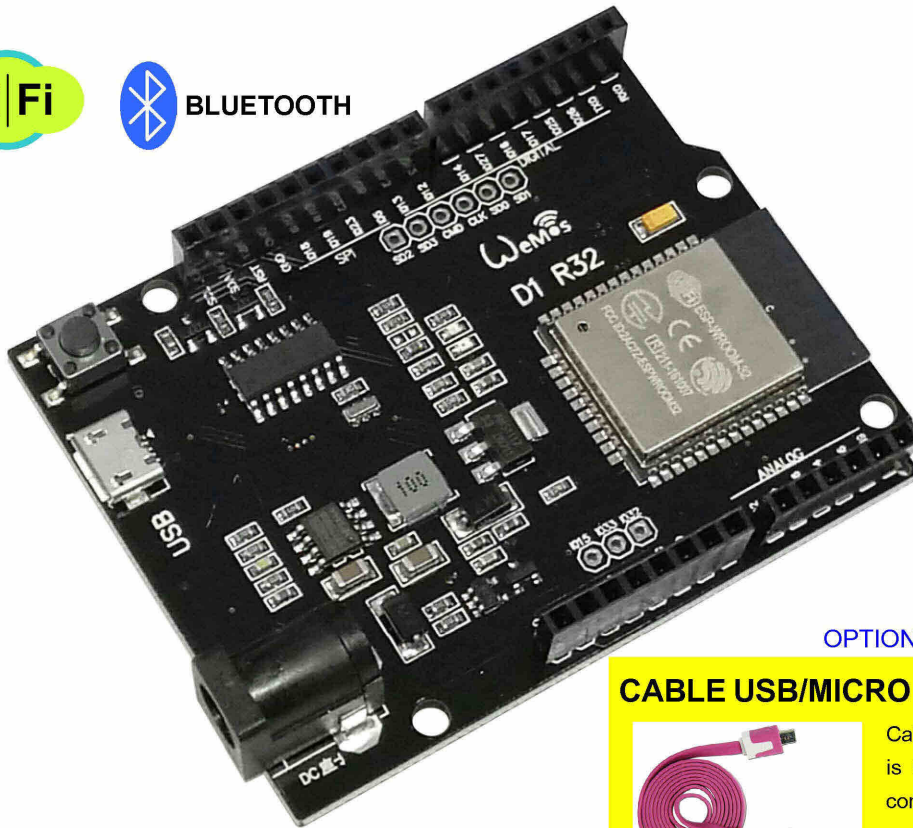


WEMOS-D1-R32 (C-YA-A-00244)

WEMOSE-D1-R32 is a complete set from abroad. Board type and connective pins are the same as Board Arduino UNO; it changes MCU from AVR series to ESPRESSIF in the series of "ESP32". It provides WIFI, BLUETOOTH, more memory size for writing, higher speed, and writing program by C Language of Arduino. It can be made IOT devices easily.



BLUETOOTH



OPTION: Cable USB/MICRO

CABLE USB/MICRO 1M (A-CB-A-00045)



Cable USB is 1 meter long. One terminal is Connector TYPE A for connecting to computer and another one side is Connector MICRO USB TYPE B MALE for connecting to board.

- MCU on board is MODULE ESP-WROOM-32 from ESPRESSIF
 - MCU Architecture is TENSILICA LX6 as 2 DUAL CORE; RUN 240 MHz (600 DMIPS)
 - WIFI (802.11 b/g/n/e/i) and BLUETOOTH 4.2 internal MODULE
 - 4 MBYTE FLASH Program, 520 KBYTE RAM
 - 32 GPIO; some Pins can do more than 1 task
 - 18-CH 12-BIT A TO D, 2-CH 8-BIT D TO A, 10-CH CAPACITIVE TOUCH, 3-CH SPI, 3-CH UART, 2-CH I2C, 16-CH PWM
- Communicate to CHIP No.CH340 and write program into board via USB PORT; Connector USB's type is MICRO USB.
- LOGIC Level of Signal INPUT/OUTPUT is 3.3V
- Signal Level in a part of ANALOG A/D 12 BIT is 3.2V
- CONNECTOR type is the same as Arduino UNO; it can be used together with SHIELDS
- POWER SUPPLY comes from
 - USB PORT as MICRO 5VDC type (higher than 500 mA.)
 - CONNECTOR DC JACK 2.0 mm. Cathode-Outer, Anode-Inner 7-12 VDC (higher than 500 mA.)

*** All Board WEMOS-D1-R32 from ETT has already been checked and tested before sale. ***

Further Information

- For more information about Circuit and how to install ESP-DEV-KIT, please read <http://www.etteam.com/prodESP/WEMOS-D1-R32/WEMOS-D1-R32.html>
- For more information about CH340 Drivers for Windows, Mac and Linux, please read <https://sparks.gogo.co.nz/ch340.html>
- For more articles about ARDUINO ESP32, please read <https://github.com/espressif/arduino-esp32>
- For more information about ESP32, please read [http://espressif.com/zh-hans/support/download/documents? field_type_tid%5B%5d = keys = & 13](http://espressif.com/zh-hans/support/download/documents?field_type_tid%5B%5d=keys=&13)

(*** This Board is imported from abroad, there is no any warranty for this model ***)