

## WeMos D1 ESP8266 WiFi Board

The WeMos D1 is a ESP8266 WiFi based board that uses the Arduino layout with operating voltage of 3.3V. It is NOT an Arduino board, it only uses the Arduino Uno layout for the board design! In fact, the board is controlled by the ESP8266 chip (a 32-Bit processor) and has a larger flash memory compared to an Arduino Uno. The board consists of 11 digital I/O pins and 1 analogue (input) pin. The board can be used using a Micro-B type USB cable (referred to as "Android Cable").



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Microcontroller: ESP-8266EX.

Operating Voltage: 3.3Vdc.

Digital I/O Pins: 11.

Analog Input Pins: 1.

Clock Speed: 80MHz/160MHz.

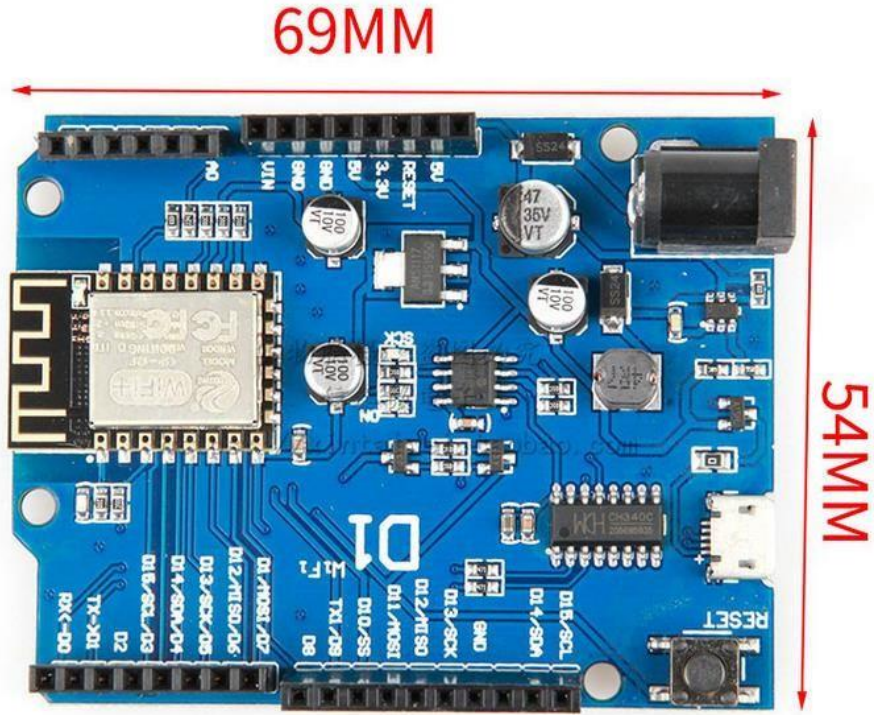
Flash: 4M bytes.

Board Dimension: 68.6mm x 53.4mm.

Weight: 25g.

**Mechanical Dimension:**

Unit: mm



## **Web Resources:**

- <https://cyaninfinite.com/getting-started-with-the-wemos-d1-esp8266-wifi-board/>
- <http://educ8s.tv/arduino-esp8266-tutorial-first-look-at-the-wemos-d1-arduino-compatibleesp8266-wifi-board/>