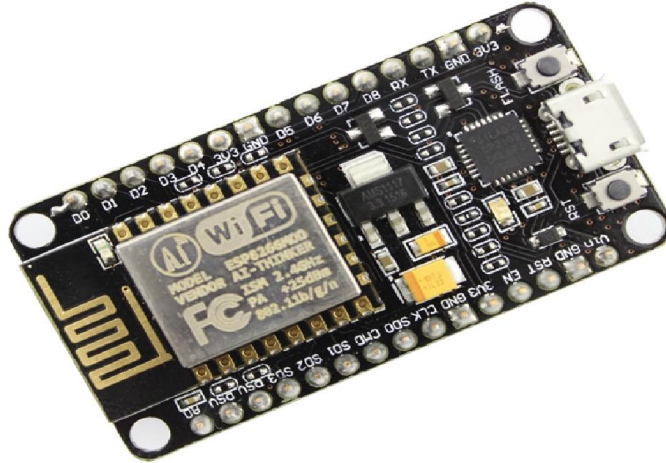


# NodeMcu Lua WIFI Board Based on ESP8266 CP2102 Module



- Model: NodeMcu-Lua-CP2102
- Shipping Weight: 8g

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## Description

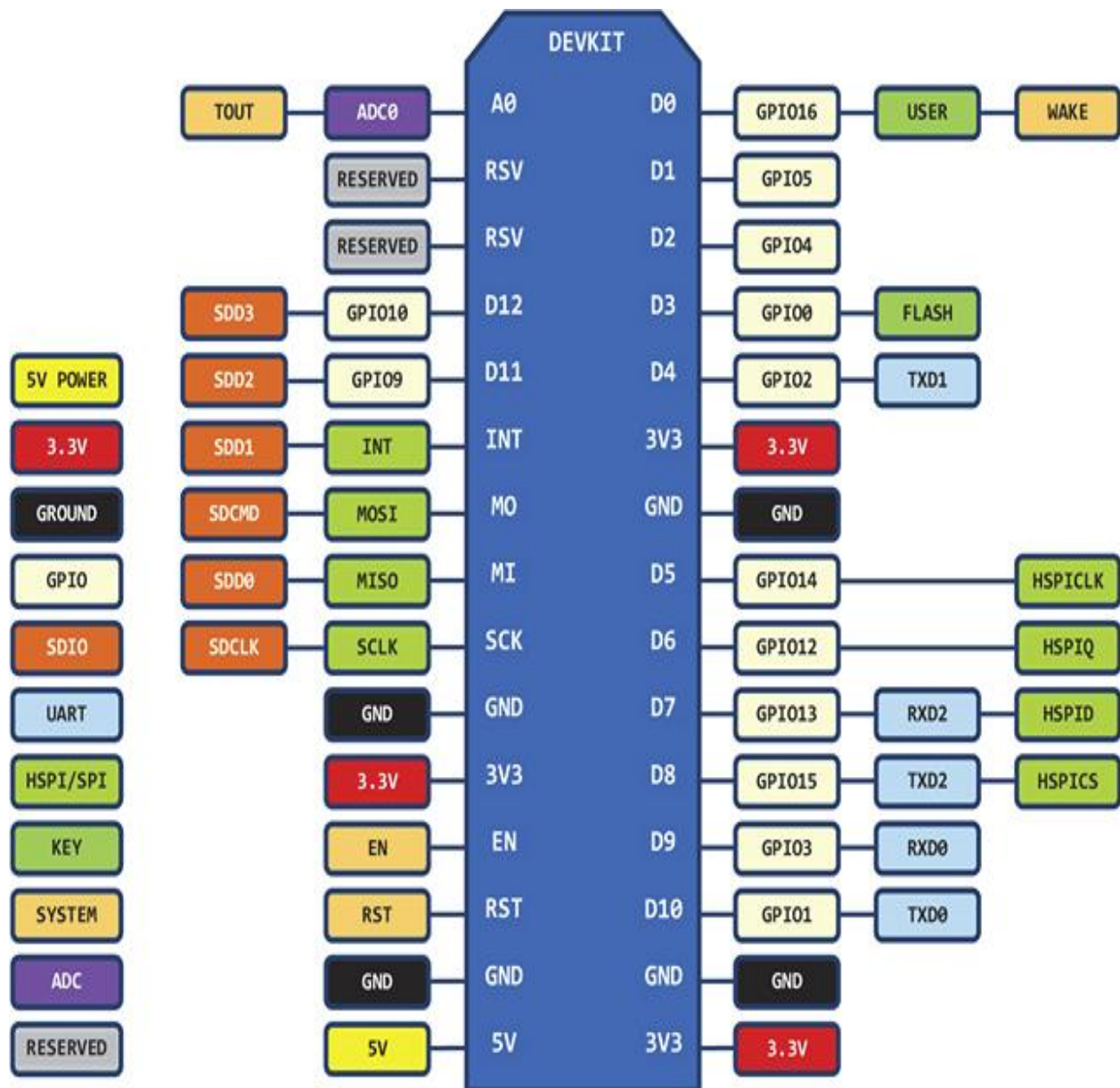
The Development Kit based on ESP8266, integrates GPIO, PWM, IIC, 1-Wire and ADC all in one board. Power your development in the fastest way combine with NodeMCU Firmware! R2 version had CP2102 USB-TTL instead, larger current support, slim board can put on breadboard.

Note: NO need to install driver for CH341 (replaced by CP2102), and NO need to flash firmware when you get it and use on first time. This is different with version R1.

[To flash R2, please see the update on Nodemcu wiki page.](#)

High quality USB cable is needed for this board to give high current supply, otherwise your board won't be recognized.

The hardware documentation for the board can be found on [nodemcu-devkit repo](#), including schematics and PCB layout designed with Altium Designer.



*D0(GPIO16) can only be used as gpio read/write, no interrupt supported, no pwm/i2c/ow supported.*

## Features

- Wi-Fi Module – ESP-12E module similar to ESP-12 module but with 6 extra GPIOs.
- USB – micro USB port for power, programming and debugging
- Headers – 2x 2.54mm 15-pin header with access to GPIOs, SPI, UART, ADC, and power pins
- Misc – Reset and Flash buttons
- Power – 5V via micro USB port
- Dimensions – 49 x 24.5 x 13mm



## Package list

- NodeMcu Lua WIFI Board Based on ESP8266 CP2102 Module x 1

## Documentation

You can find the firmware source code and documentation [on Github](#), as well as [nodemcu-flasher](#), a Windows only tools to flash the firmware to a module. There's also a separate tool called [esptool](#) that will let you flash nodemcu from Linux. In case you find the documentation is all over the place, you might want to checkout NodeMCU video tutorial below.

[Nodemcu.com](#) is the official website for the project, but you'll find more information on Github. You can also get answers to your questions on [their BBS](#) or [ESP8622 community forums](#).

## Wiki & External links

- [CP210x USB to UART Bridge VCP Drivers](#)