

DOCS



All documentation is available on this webstite: https://docs.espressif.com/

• Especially:

https://www.espressif.com/en/products/socs/esp8266ex/resources
https://docs.espressif.com/projects/espat/en/latest/esp32/Get_Started/Downloading_guide.html

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DOWNLOAD



- Donwload last ESP8266 firmware here: https://docs.espressif.com/projects/esp-at/en/release-v2.2.0.0 esp8266/AT Binary Lists/ESP8266 AT binaries.html
- Download to your platform the NodeMCU flasher : https://github.com/marcelstoer/nodemcu-pyflasher/releases

<u>Warning</u>: You may need to install python in your platform to run the logiciel.

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TEST NODEMCU AND FIRMWARE



- Connect usb serial on NodeMCU.
- Open a port COM terminal and configure serial port with:

Baudrate: 74880

• Data: 8 bits

Parity: none

• Stop bits: 1

- Reset NodeMCU.
- If some bootloader info are printed after reset, mcu is working.

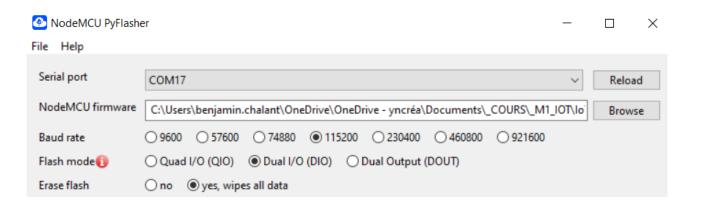
Warning: Make sure that your terminal send CR+LF both !!

- Then, connect an usb to uart on D8(Tx) and D7(Rx) pins.
- Change serial port, connect and modify the baudrate to 115200.
- Try to send AT command.
- For example, AT+GMR indicate the firmware version.
- If other information are printed, HAYES protocol is not supported.

FLASH FIRMWARE



- Run NodeMCU-PyFlasher.
- Select the serial port.
- Select the binary file previously downloaded :
 - .\ESP8266-IDF-AT_V2.2.1.0\ESP8266-AT-V2.2.1.0\factory\factory_WROOM-02.bin
- Check DIO mode.
- Erase all flash data.
- Flash NodeMCU.
- Reset after download.



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