

Flash MicroPython firmware

The boards were already flashed micropython firmware. If they lost firmware or you need latest firmware, you can flash MicroPython firmware by yourself.

- **Requirements**

- [Python](#)
- [esptool](#) (for flash esp8266&esp32 firmware.)
- `pip install esptool`
- [Micropython firmware](#) (esp8266)

- **Additional Requirement for Mac OS X <10.14 (Mojave)**

- [CH340 Driver](#)

- **Flash firmware**

```
esptool.py --port PORT_NAME erase_flash  
esptool.py --port PORT_NAME --baud 1000000 write_flash --flash_size=4MB -fm dio 0 FIRMWARE.bin
```

Note

Don't forget to change **PORT_NAME** and **FIRMWARE.bin**.

In Linux, **PORT_NAME** is like `/dev/ttyUSB0`. In windows, **PORT_NAME** is like `COM4`.

Quick reference

- [Quick reference for the ESP8266](#)