

Get started with MicroPython [D32 series]

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**

- [CH340 Driver](#)
- [Python](#)
- [esptool](#) (for flash esp8266&esp32 firmware.)
- `pip install esptool`
- [Micropython firmware](#) (esp32)

Note

D32 Pro cloud use Firmware with SPIRAM support

- **Flash firmware**

```
esptool.py --port PORT_NAME erase_flash  
esptool.py --port PORT_NAME --baud 1000000 write_flash -z 0x1000 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 ESP32](#)

Get started with Arduino [D32 series]

Requirements

- [CH340 Driver](#)
- [Python](#)
- [Arduino IDE](#)

Installing Hardware package

- [esp32 package](#)

Configure Board

After install hardware package, you will see LOLIN D32 boards in the Tools→Board:xxx
Choose your right board.

Documentation

- [ESP8266 Arduino Core's documentation](#)

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