

FLASH READY-TO-USE ESP32 BINARY (IN WINDOWS)

Step 0: download [esptool](#)

You can skip this step if you already install the developing environment

Step 1: Open mingw32.exe (if developing env is installed) or cmd (if install only esptool)

- Locate to the project folder (/esp32), you should see the file *CARD-SCANNER.bin*
- Plug in your esp32, determine the port name (COM5, COM14, ...)
- Download the binary file to the esp32:

```
python /<esptool directory>/esptool.py --chip esp32 --port COM14 --baud 921600 --
before default_reset --after hard_reset write_flash -z --flash_mode dio --
flash_freq 40m --flash_size detect 0x10000 /<project_directory>/CARD-SCANNER.bin
```

- Change the directory to your appropriate situation. Successfully uploaded program will look something like this:

```
$ python /home/minha/esp/esp-idf/components/esptool_py/esptool/esptool.py --chip esp32 --port COM14 --
ite flash -z --flash_mode dio --flash_freq 40m --flash_size detect 0x10000 /d/Google_Drive/3.Projects/
/CARD-SCANNER.bin
esptool.py v2.6
Serial port COM14
Connecting....._
Chip is ESP32D0WDQ6 (revision 1)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme None
MAC: 3c:71:bf:ab:70:1c
Uploading stub...
Running stub...
Stub running...
Changing baud rate to 921600
Changed.
Configuring flash size...
Auto-detected Flash size: 4MB
Compressed 1594640 bytes to 901049...
Wrote 1594640 bytes (901049 compressed) at 0x00010000 in 19.2 seconds (effective 663.9 kbit/s)...
Hash of data verified.

Leaving...
Hard resetting via RTS pin...
```