一、工程下载与配置

（建议在 ubuntu 系统下操作，下文以 ubuntu 为系统所作的说明）

1、 下载：

git clone https://github.com/bingoiot/EV-ESP32-Workspace.git

大陆可以用 git clone https://gitee.com/bingoiot/EV-ESP32-Workspace.git

2、编译:

- 在 ubuntu 中打开终端依次执行以下命令
- sudo apt-get install gcc git wget make libncurses-dev flex bison gperf python python-pip python-setuptools python-serial python-cryptography python-future python-pyparsing
- cd EV-ESP32-Workspace/
- [网络不好时解压 esp32_package/下的 esp-idf，执行下面 5 步]
- cd esp32_package
- cat x*>>esp-idf.tar.gz
- tar -xvf esp-idf.tar.gz
- mv esp-idf ../
- cd ..
- [网络正常执行以下 2 个命令]
- git submodule init esp-idf
- git submodule update
- source SetEnvironment.sh
- cd app/gwzb-esp32-v2.0/
- make clean

- make menuconfig:

3、主要配置(menuconfig)：

Serial flasher config

Flash SPI size (4 MB)

Partition Table

Partition Table (Custom partition table CSV)

(partition.csv) Custom partition CSV file

(0x10000) Factory app Partition offset

4、partition table:

```
# Name,   Type, SubType, Offset,  Size, Flags
# Note: if you change the phy_init or app partition offset, make sure to change the offset in Kconfig.projbuild,,,,
nvs,      data, nvs,     0x9000,  0x4000,
otadata,  data, ota,     0xd000,  0x2000,
phy_init, data, phy,     0xf000,  0x1000,
factory,  app,  factory, 0x10000, 1M,
storage,  data, spiffs,  0x110000,      960K,
ota_0,    0,    ota_0,   0x200000,      1M,
ota_1,    0,    ota_1,   0x300000,      1M,
```

网关文件关系：