物唯飞控编译补丁包应用说明

(编译 APM 固件)

前言:

自行编译固件需要一定的嵌入式开发基础,可在群文件中直接使用我们编译好的固件。

一、下载 Ardupilot 源码

git clone --recursive https://github.com/ArduPilot/ardupilot.git

```
xsp@MS-EGNIUIDQSTNZ:~$ git clone --recursive https://github.com/ArduPilot/ardupilot.git
Cloning into 'ardupilot'...
remote: Enumerating objects: 500326, done.
remote: Counting objects: 100% (479/479), done.
remote: Compressing objects: 100% (197/197), done.
Receiving objects: 63% (315206/500326), 435.03 MiB | 4.68 MiB/s
```

二、进入下载好的文件夹路径下

cd ardupilot

三、切换分支

git checkout Copter-4.6.1

四、更新子模块

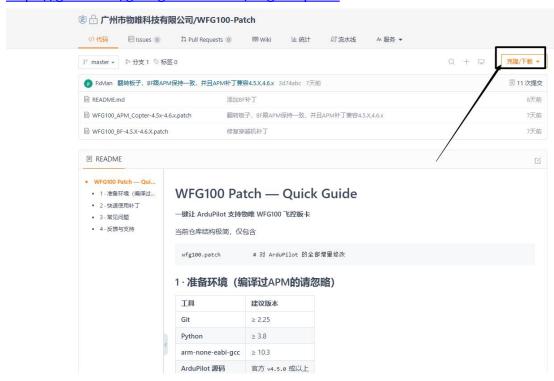
git submodule update --init --recursive

五、安装开发环境

Tools/environment_install/install-prereqs-ubuntu.sh -y

六、从 gitee 下载物唯补丁包

https://gitee.com/guangzhou-wuwei/wfg100-patch



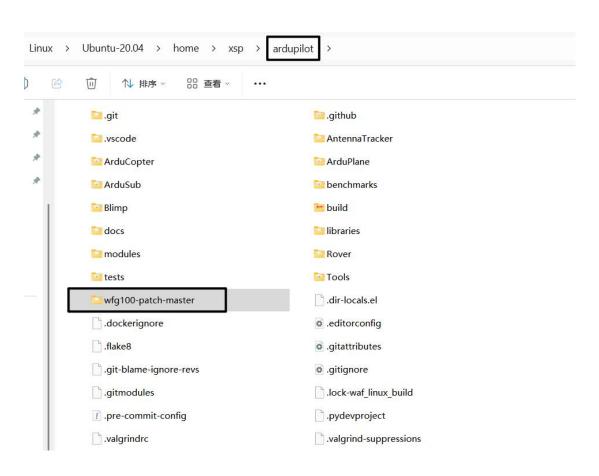
七、解压物唯补丁包

1)解压补丁包



2) 将物唯补丁包拷贝至 "ardupilot" 源码文件夹中





八、安装物唯补丁包

输入指令: git apply ./wfg100-patch/wfg100_Copter-4.6.1.patch 正常回车执行后,没有任何报错,如下图所示

xsp@MS-EGNIUIDQSTNZ:~/ardupilot\$ git apply ./wfg100-patch-master/WFG100_APM_Copter-4.5x-4.6.x.patch xsp@MS-EGNIUIDOSTNZ:~/ardupilot\$

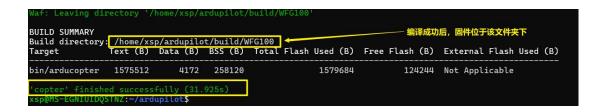
九、选择编译物唯的板卡

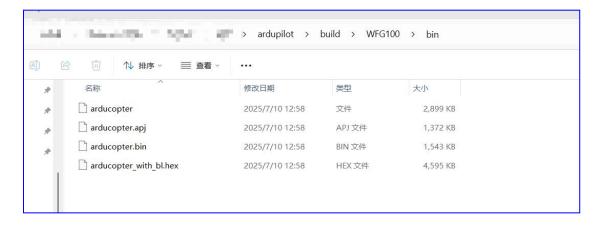
./waf configure --board=WFG100

十、执行固件编译

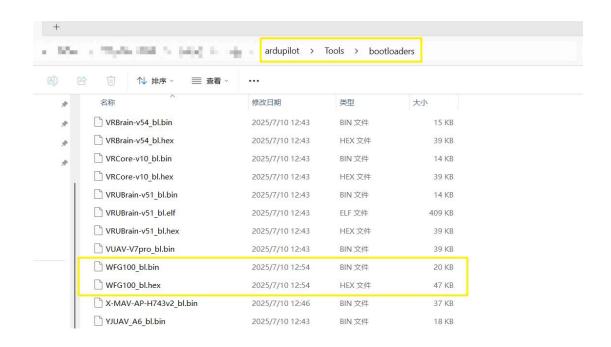
./waf copter -j\$(nproc)

十一、编译后的固件路径





十二、编译后的 bootloader 路径



十三、烧录固件

