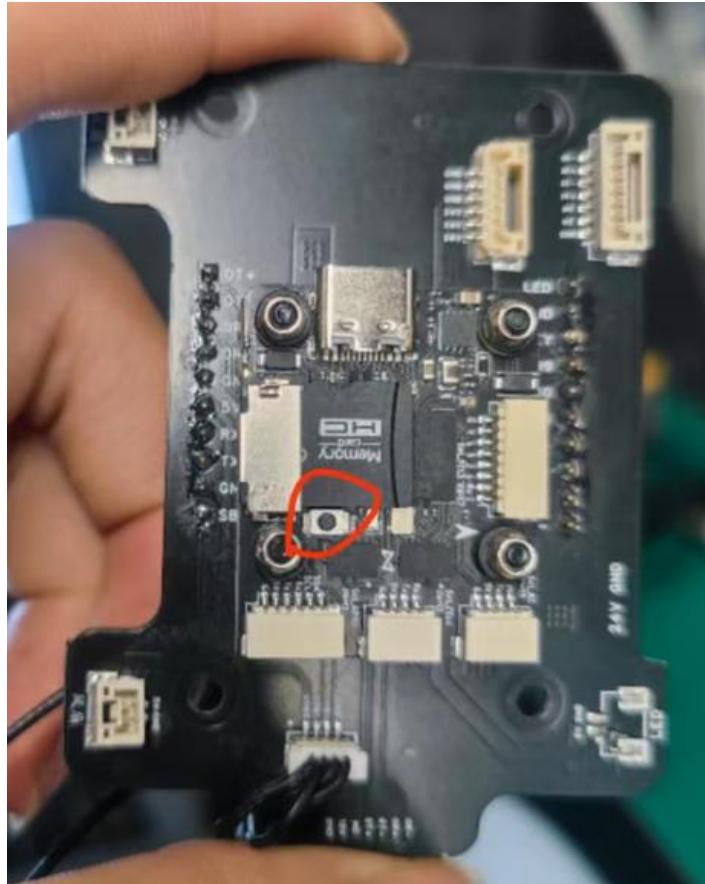
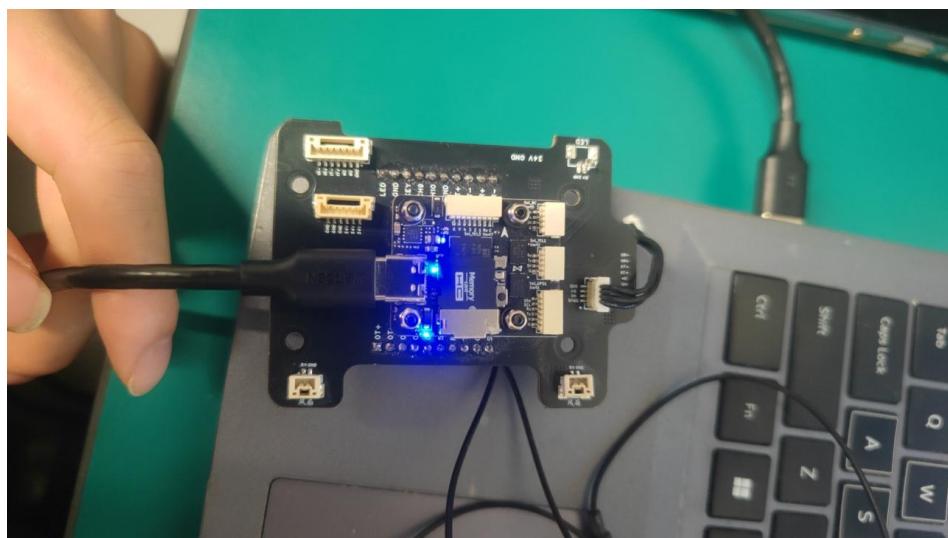


618飞机飞控烧写

①.按住BOOT按键上电，打开STM32CubeProgrammer



②.进入boot模式后如图(亮三个蓝灯)



③.进入软件 把连接方式改为USB 然后刷新下方端口号，手动选择端口也可以，然后点击Connect进行连接



USB configuration

Port: USB1

Serial number: 200364500000

PID: 0xdf11

VID: 0x0483

Read Unprotect (MCU)

TZEN Regression (MCU)

④. 点击擦除按钮 擦除芯片内所有数据，出现success则擦除成功

Log

10:00:21 : Data read successfully

10:00:21 : Time elapsed during the read operation is: 00:00:00.041

10:01:49 : MASS ERASE ...

10:02:02 : Mass erase command correctly executed. Note: if there's any flash protection, it will not be erased.

10:02:07 : UPLOADING ...

10:02:07 : Size : 1024 Bytes

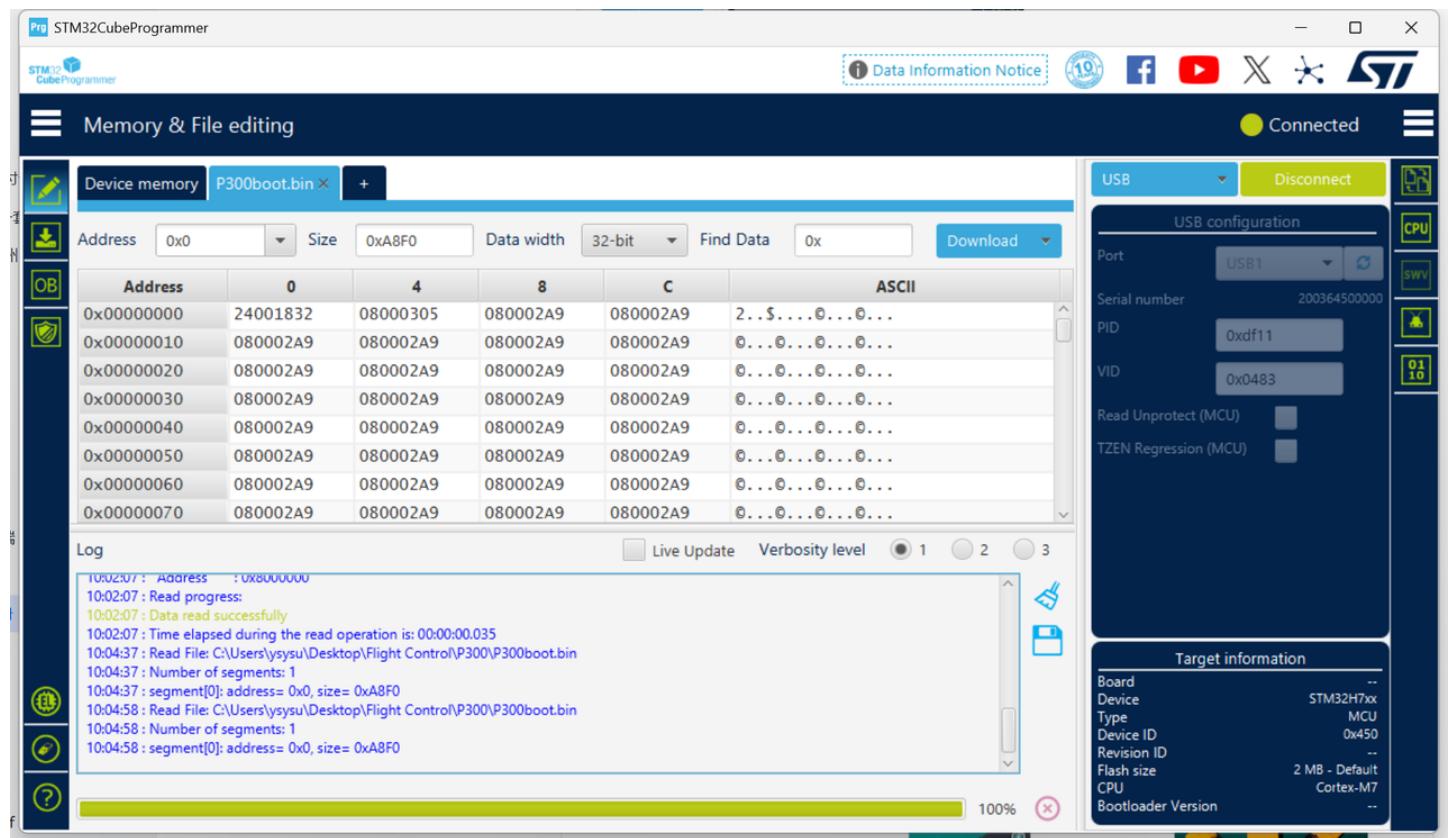
10:02:07 : Address : 0x8000000

10:02:07 : Read progress:

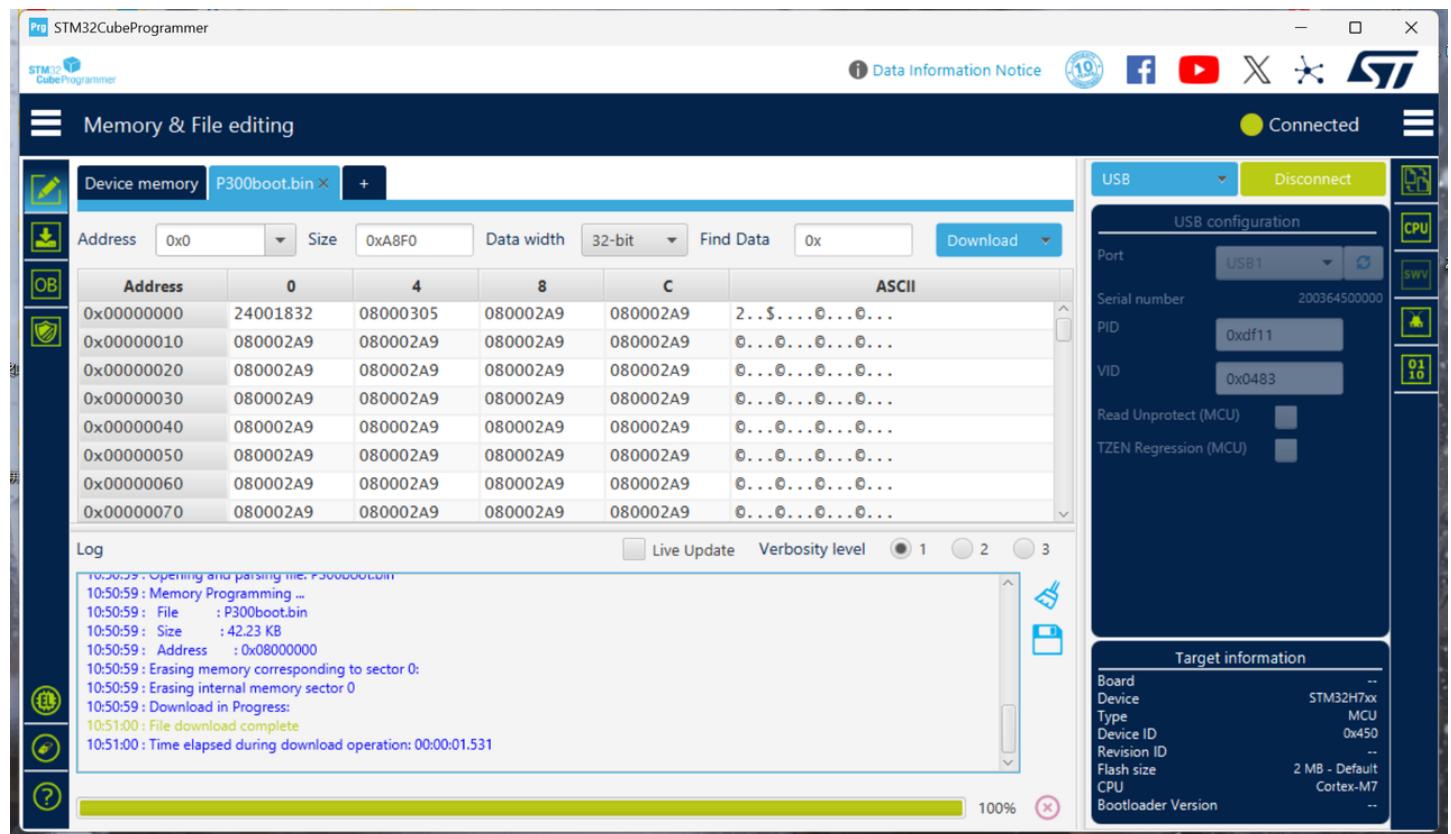
10:02:07 : Data read successfully

10:02:07 : Time elapsed during the read operation is: 00:00:00.035

⑤. 点击加号或者open file，打开hkust_nxt-dual_bootloader.bin文件



⑥. 点击Download，把文件烧入至飞控 出现success即烧写成功



当然也可以用命令行（部分内容改为现有固件位置与名称），当然要按下飞控上的按钮用typec线连上飞控。

```
dfu-util -a 0 --dfuse-address 0x08000000:force:mass-erase:leave -D  
./holybro_kakuteh7mini_bootloader/holybro_kakuteh7mini_bootloader.bin
```

```
dfu-util -a 0 --dfuse-address 0x08000000 -D  
./holybro_kakuteh7mini_bootloader/holybro_kakuteh7mini_bootloader.bin
```