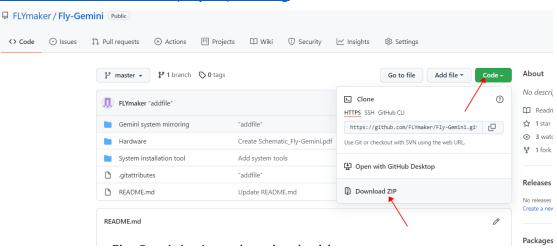
First download the system installation tool file

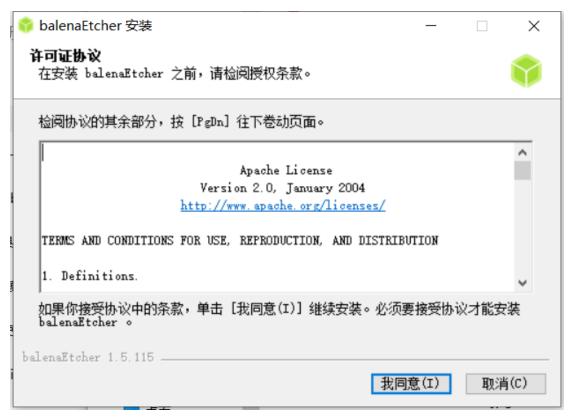
https://github.com/FLYmaker/Fly-Gemini

System mirror download:

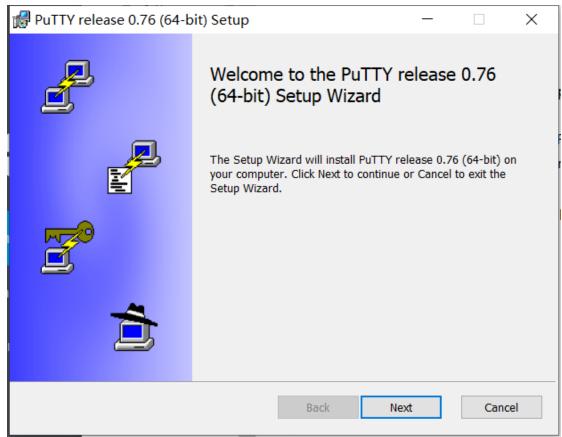
https://drive.google.com/drive/folders/1llH-lq-WsbldwkmLL51n3OHo5dNNpcPy?usp=sharing



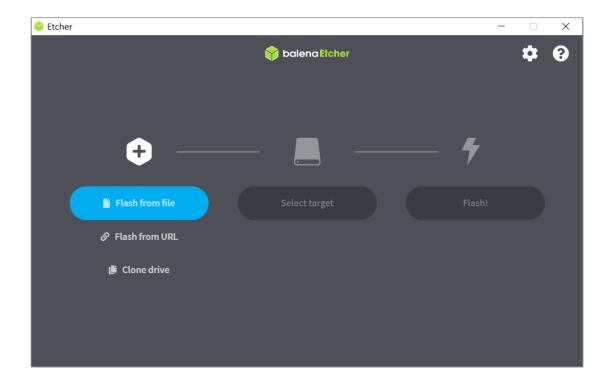
Install first
Putty and balenaEtcher



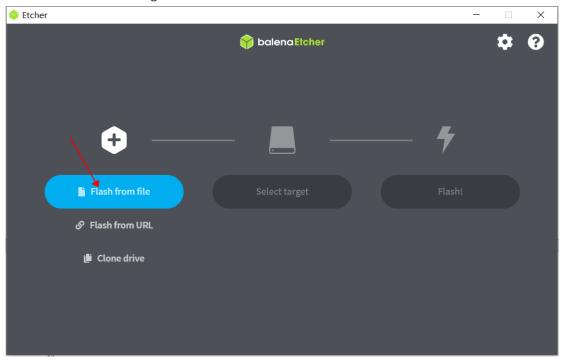
All next step



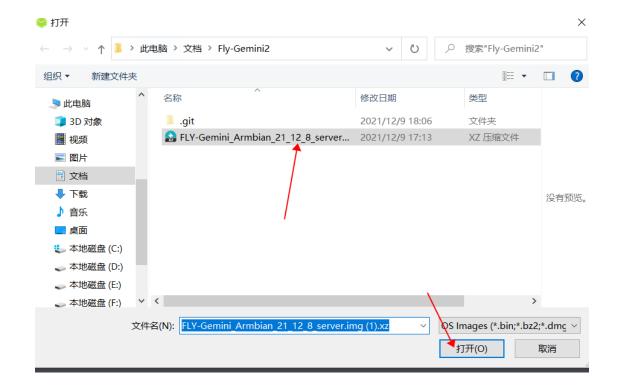
Insert the SD card into the computer Open the balenaEtcher



Select motherboard image file



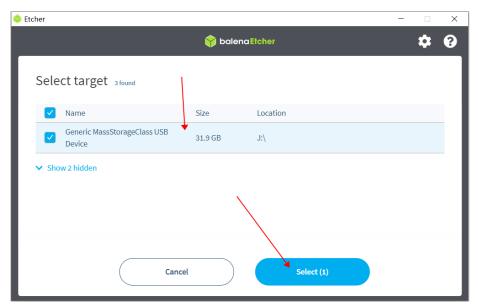
Select the system mirror (according to the place of the file you downloaded)



Choose SD card



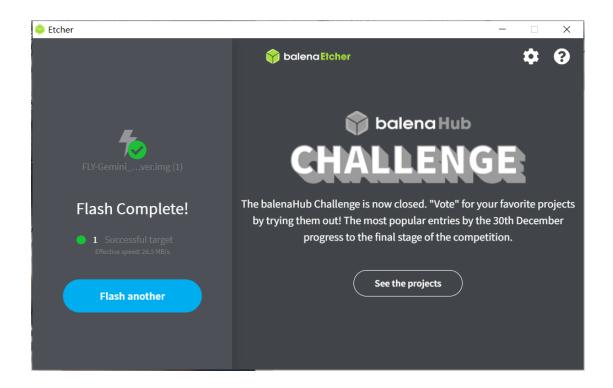
Check to confirm



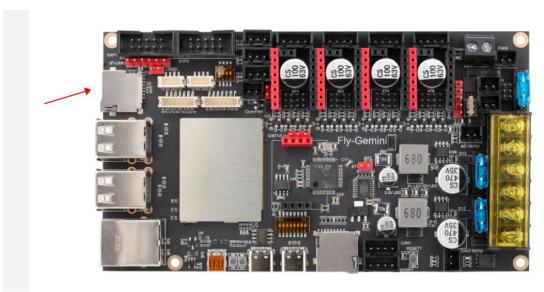
Click the blue button and wait for the programming to be completed (if it is stuck for a long time, please turn it off and rewrite)



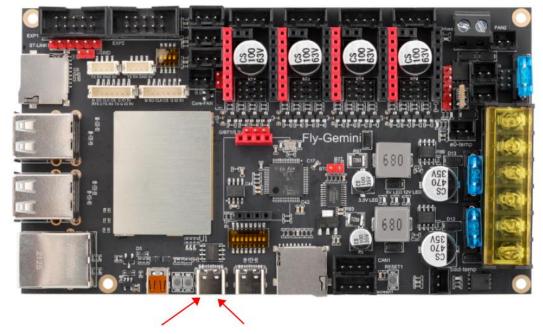
System write complete



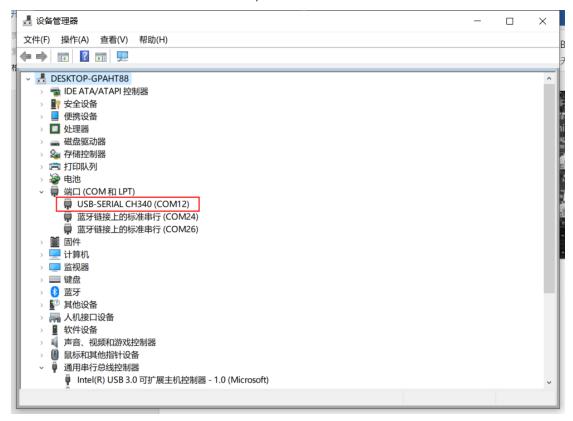
Insert the SD card into the motherboard



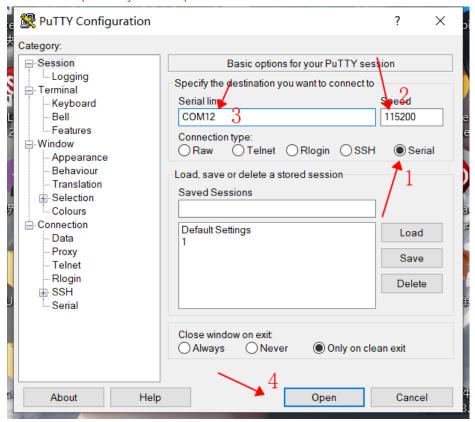
Insert one end of the usb into the figure below and the other end into the computer usb



Open the computer device manager. The computer port usually pops up the CH340 COM12. This 12 will be different for different computers.



Modify according to the steps in the figure below. In the third place, modify according to the actual COM port of your computer.



Wait for the system to start

```
COM12 - PuTTY
                                                                              \times
     bytes read in 2 ms (2 MiB/s)
Applying kernel provided DT fixup script (sun50i-h5-fixup.scr)
## Executing script at 45000000
10127088 bytes read in 773 ms (12.5 MiB/s)
21860360 bytes read in 1666 ms (12.5 MiB/s)
## Loading init Ramdisk from Legacy Image at 4fe00000 ...
   Image Name:
                  AArch64 Linux RAMDisk Image (gzip compressed)
   Image Type:
   Data Size: 10127024 Bytes = 9.7 MiB Load Address: 00000000
   Verifying Checksum ... OK
## Flattened Device Tree blob at 4fa00000
   Booting using the fdt blob at 0x4fa00000
   Loading Ramdisk to 49657000, end 49fff6b0 ... OK
   reserving fdt memory region: addr=4fa00000 size=6e000
   Loading Device Tree to 00000000495e6000, end 000000049656fff ... OK
Starting kernel ...
Armbian 21.08.6 Buster ttyS0
Fly-Gemini login:
```

Type fly and press enter

```
Starting kernel ...

Armbian 21.08.6 Buster ttys0

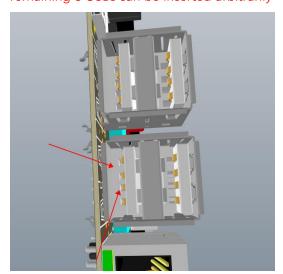
Fly-Gemini login: fly
Password:
```

Then enter mellow and press Enter (note that the entered mellow will not be displayed)

```
COM12 - PuTTY
                                                                         Starting kernel ...
Armbian 21.08.6 Buster ttyS0
Fly-Gemini login: fly
Password:
Last login: Tue Dec 7 03:48:28 UTC 2021 on ttyS0
Welcome to Armbian 21.08.6 Buster with Linux 5.10.60-sunxi64
System load:
                                               2 min
Memory usage:
CPU temp:
               44°C
                                               10% of 30G
                                Usage of /:
RX today:
                             on (beta): armbian-config ]
fly@Fly-Gemini:~$
```

Make sure that the motherboard USB is inserted into the wifi module or the Ethernet port is inserted into the network cable

Note Do not insert any USB devices into this usb port when using klipper firmware. The remaining 3 USBs can be inserted arbitrarily



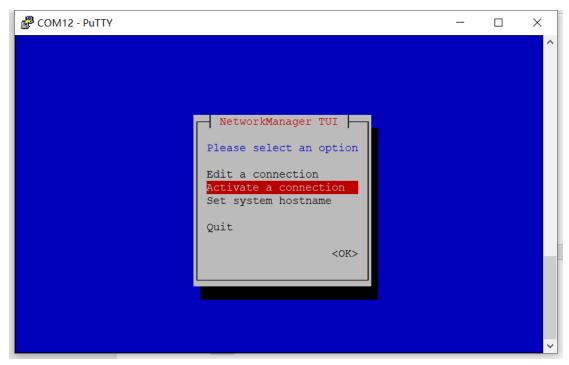
《Wifi User》

For Ethernet users, please go directly to the next step to check the ip

Please enter nmtui and press enter

```
fly@Fly-Gemini:~$
fly@Fly-Gemini:~$
fly@Fly-Gemini:~$
fly@Fly-Gemini:~$
fly@Fly-Gemini:~$
fly@Fly-Gemini:~$
```

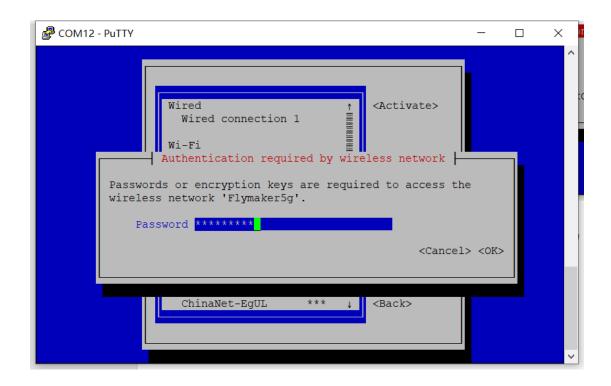
Click the keyboard up and down buttons $\uparrow \downarrow$ to move the cursor to select as shown in the figure



Carriage return

Move the cursor up and down, select <own wifi>, press enter, enter the wifi password (if there is one, it will automatically connect if there is none)

After entering the password, press Enter and wait for the connection



After finishing, click the Q button or ctrl+z to exit

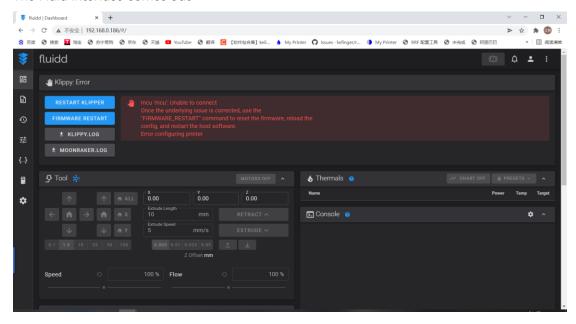
《View motherboard IP》

Type ip a press enter Find the IP address

```
X
                                                                          П
[1]+ Stopped
                              nmtui
fly@Fly-Gemini:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group defaul
qlen 1000
   link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00
   inet 127.0.0.1/8 scope host lo
      valid_lft forever preferred_lft forever
    inet6 :: 1/128 scope host
      valid_lft forever preferred_lft forever
2: eth0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc mq state DOWN group
default qlen 1000
   link/ether 02:01:76:d8:5c:74 brd ff:ff:ff:ff:ff
3: wlx00e04c083119: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 2312 qdisc mq state UP
group default qlen 1000
    link/ether 00:e0:4c:08:31:19 brd ff:ff:ff:ff:ff
    inet 192.168.0.186/24 brd 192.168.0.255 scope global dynamic noprefixroute w
lx00e04c083119
    valid_lft 86295sec preferred_lft 86295sec
inet6 fe80::8226:bf5b:53bd:2d5b/64 scope link noprefixroute
      valid lft forever preferred lft forever
fly@Fly-Gemini:~$
```

Computer browser enter this IP address

The Fluid interface comes out



Next

Compile klipper firmware for stm32