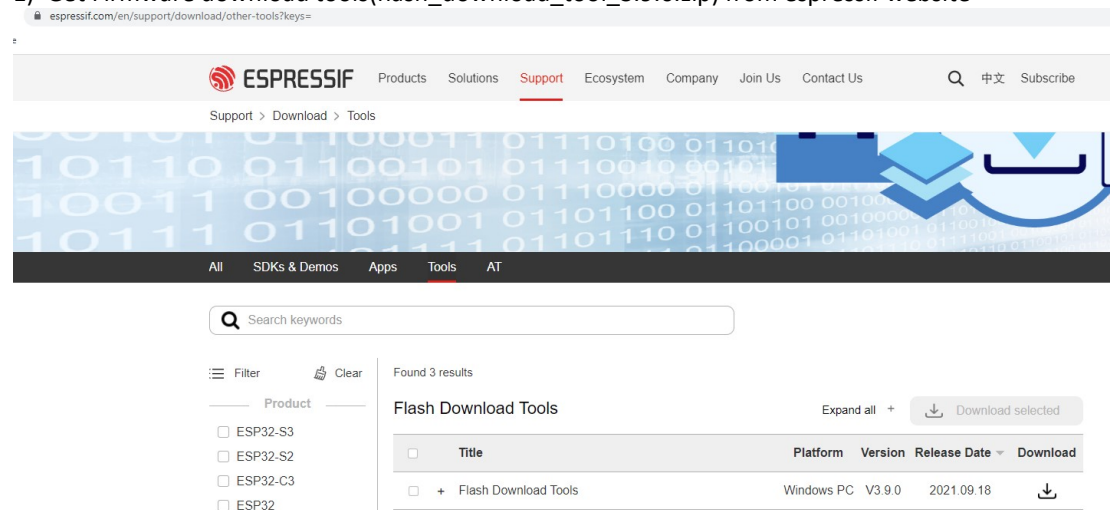
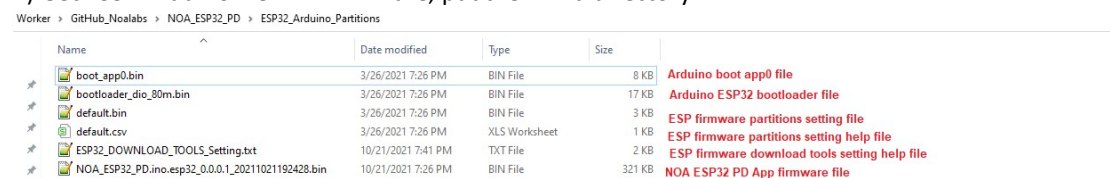


# How to burn ES32 Arduino NOA PD Firmware With ESP download tool(1.0.0.0)

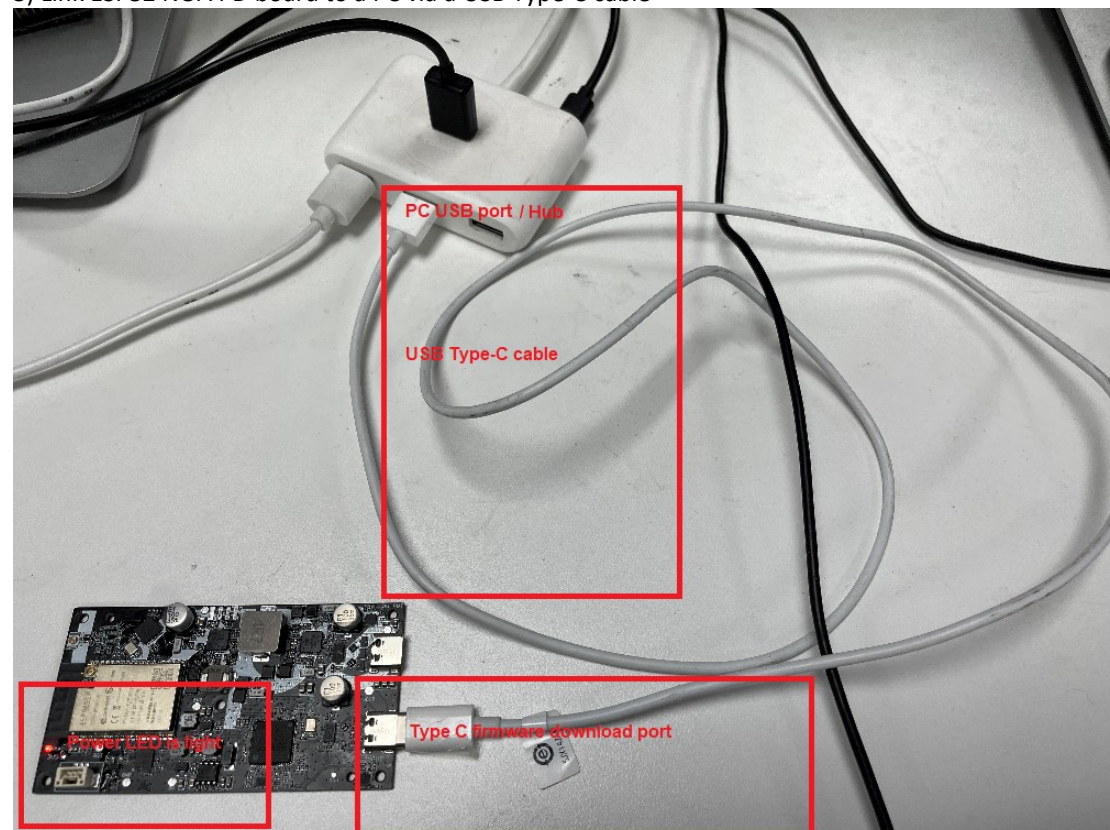
1) Get Firmware download tools(flash\_download\_tool\_3.9.0.zip) from espressif website



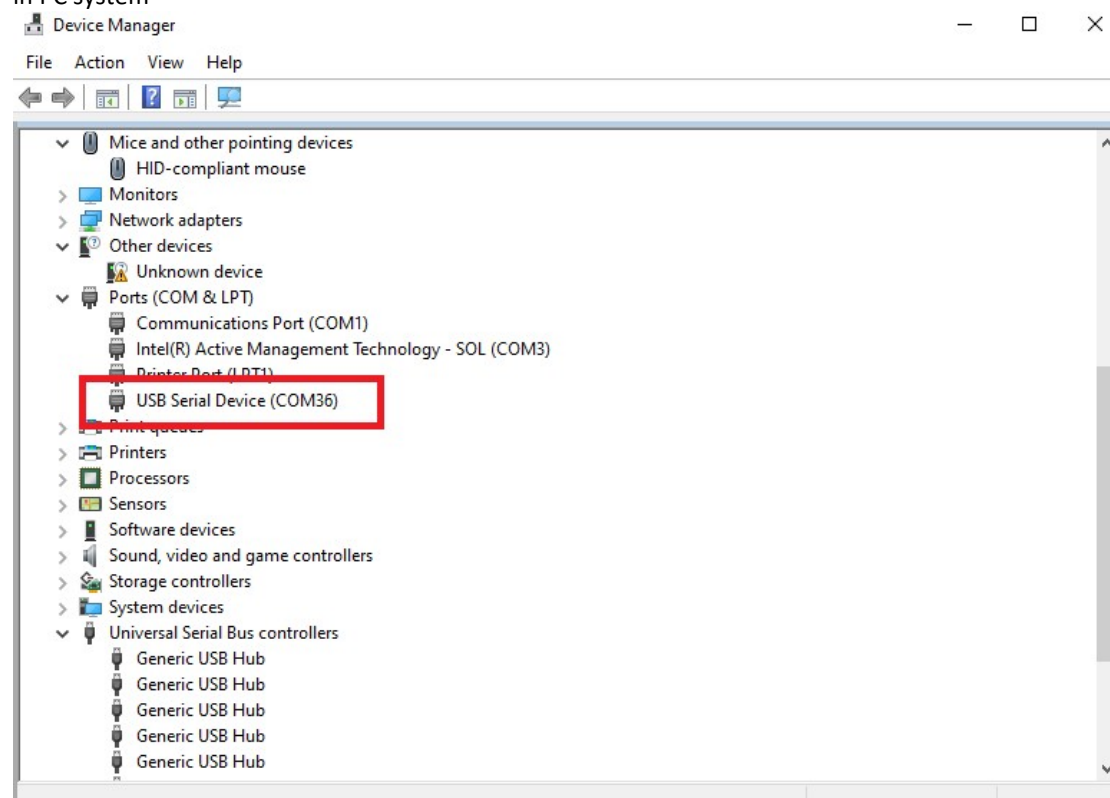
2) Get ES32 Arduino NOA PD firmware, put them in a directory



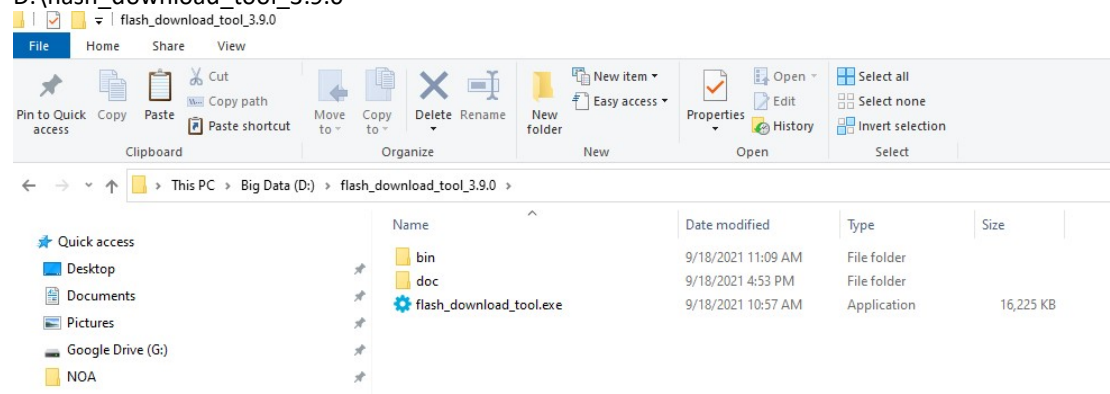
3) Link ESP32 NOA PD board to a PC via a USB Type-C cable



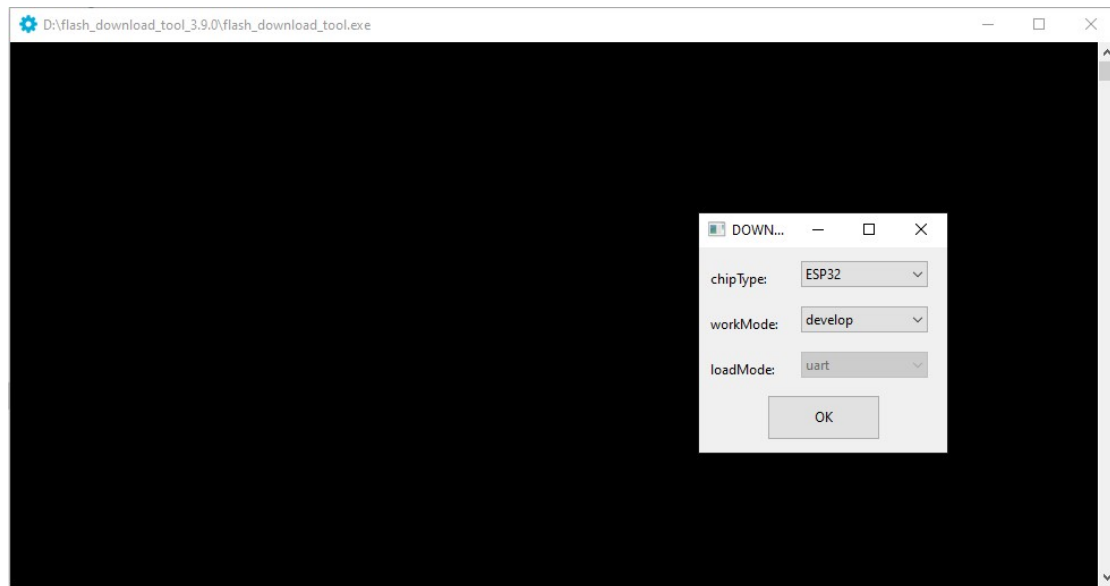
Make sure the Power LED on NOA PD board is light and Check A USB Serial Device(COM\*) is enabled in PC system



4) Unzip flash\_download\_tool\_3.9.0.zip file in PC to a directory that is named as D:\flash\_download\_tool\_3.9.0

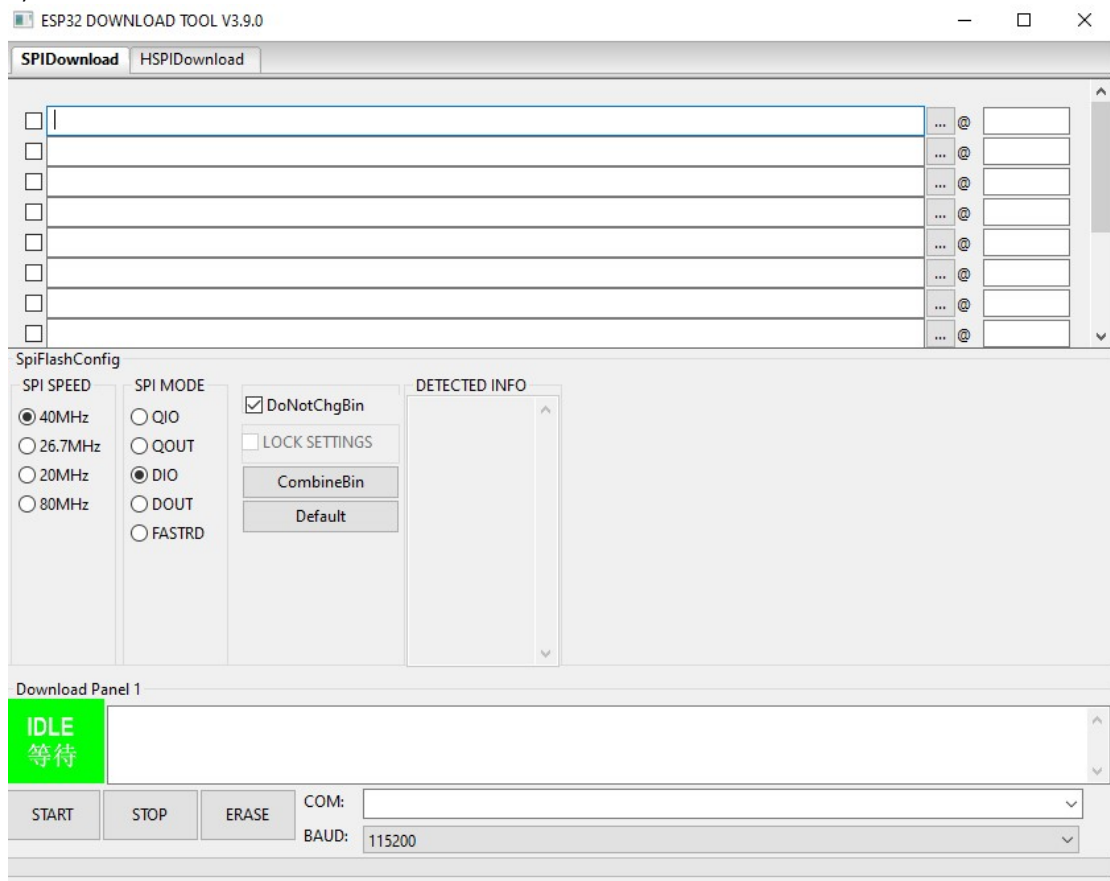


5) Run flash\_download\_tool.exe

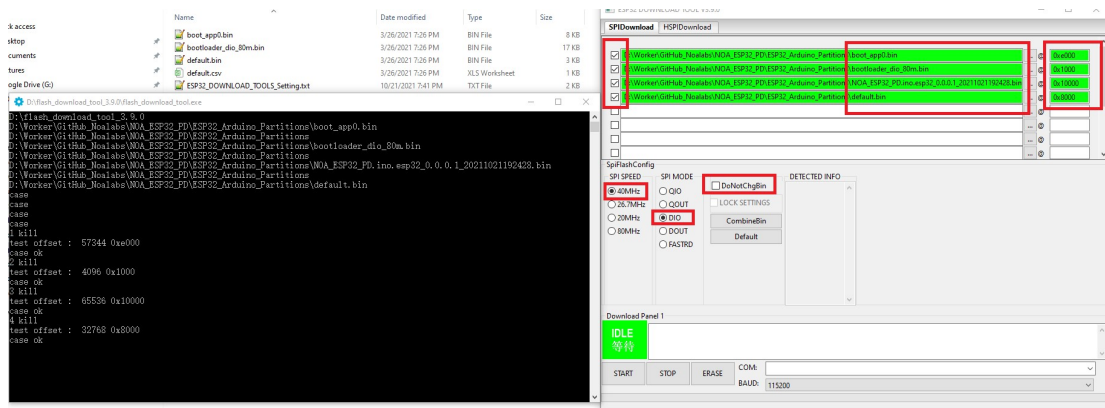


6) Select ESP32 for “chipType” and develop for “workMode”, click “OK” for continue

7) Choice “SPIDownload” tab-label



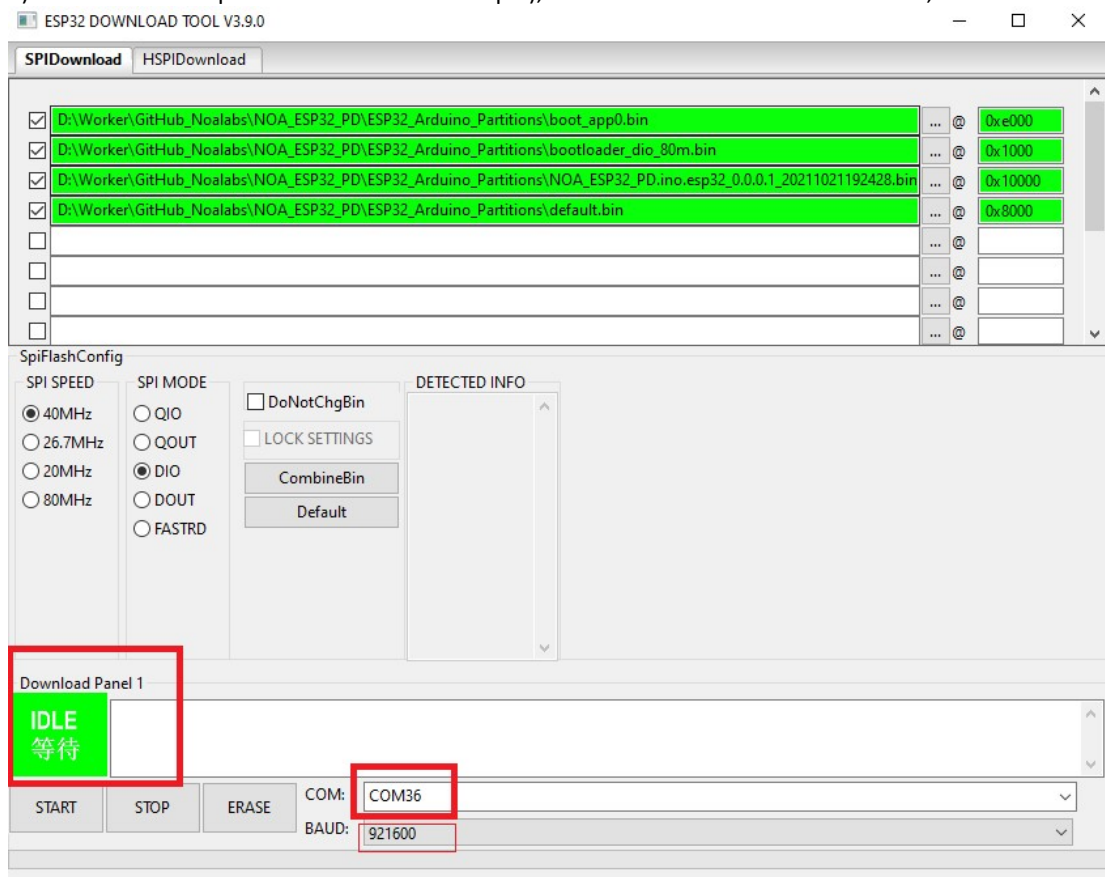
8) Load NOA ESP32 arduino firmware with follow setting



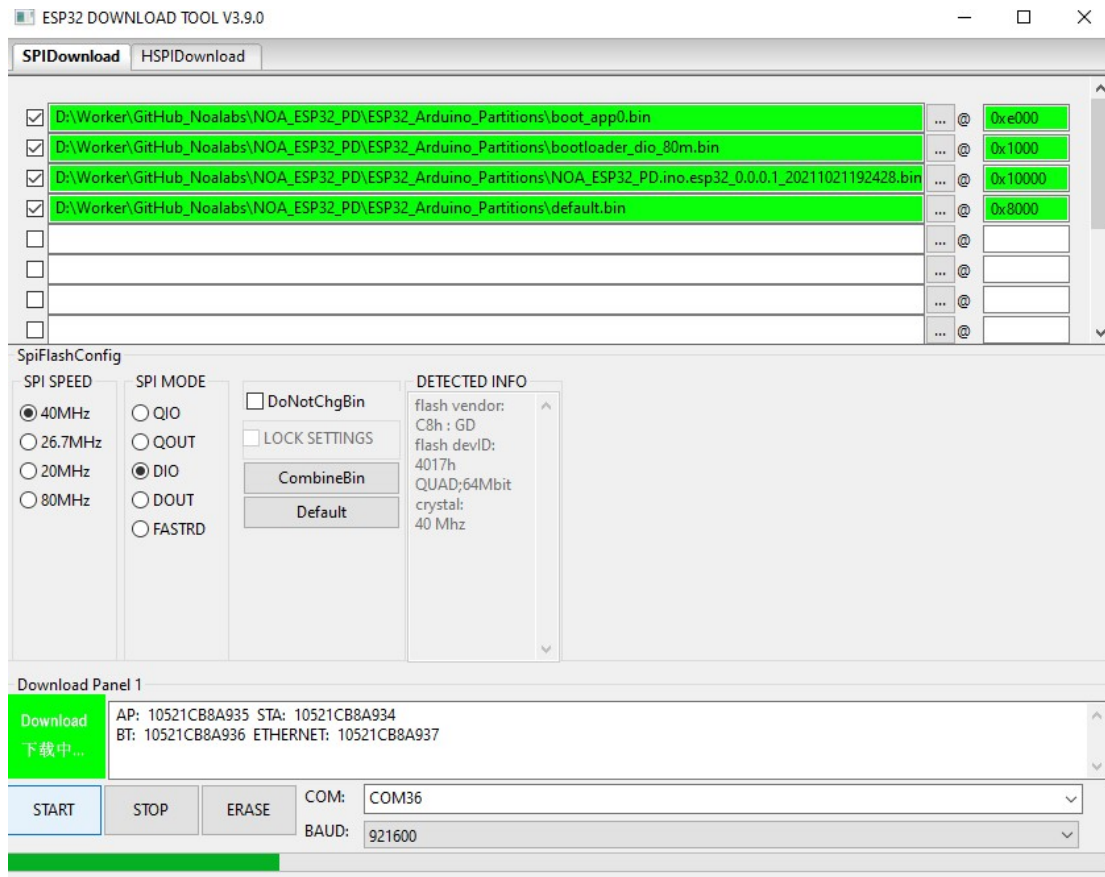
boot_app0.bin	0xe000
bootloader_*.bin	0x1000
NOA_ESP32_PD.ino.esp32.bin	0x10000
default.bin	0x8000

Set "SPI SPEED" to 40MHz  
 Set "SPI MODE" to DIO  
 Unchecked "DoNotChgBin"  
 Make sure "Download Panel1" show a green "IDLE" logo

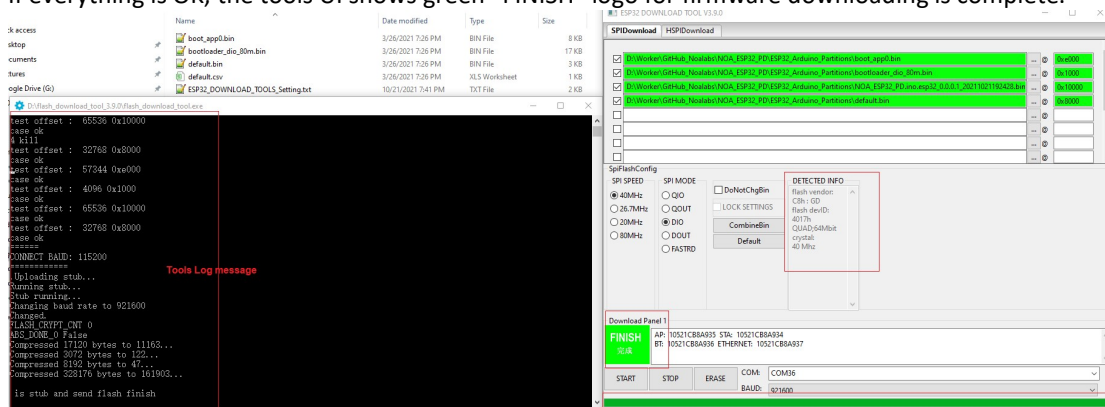
9) Choice the COM port that is enabled in step 3), set the BAUD to 921600 or 115200,



click "START" button to download firmware to NOA PD board



If everything is OK, the tools UI shows green “FINISH” logo for firmware downloading is complete.



click “EEASE” button, the tools can help us erase the SPI flash value and make the flash clean.

10) Close “ESP32 DOWNLOAD TOOL” app to finish the work. Unplug and plug the type-c cable to PC again, open the COM port that is enabled in step 3) with 115200 setting via “SSCOM” tools, it will show some booting log.



SSCOM V5.13.1 串口/网络数据调试器,作者:大虾丁丁,2618058@qq.com, QQ群: 52502449(最新版本)

通讯端口 串口设置 显示 发送 多字符串 小工具 帮助 联系作者

```
ets Jun 8 2016 00:22:57

rst:0x1 (POWERON_RESET),boot:0x13 (SPI_FAST_FLASH_BOOT)
flash read err, 1000
ets_main.c 371
ets Jun 8 2016 00:22:57

rst:0x10 (RTCWDT_RTC_RESET),boot:0x13 (SPI_FAST_FLASH_BOOT)
configip: 0, SPIWP: 0xee
clk_drv:0x00,q_drv:0x00,d_drv:0x00,cs0_drv:0x00,hd_drv:0x00,wp_drv:0x00
mode:DIO, clock div:2
load:0x3fff0018,len:4
load:0x3fff001c,len:1044
load:0x40078000,len:10124
load:0x40080400,len:5856
entry 0x400806a8
Oct 21 2021 19:26:55
鋁鐳枋鋁? 鋁鐳枋 鋁鐳枋鋁鐳枋鋁鐳枋 鋁鐳枋鋁鐳枋鋁?
鋁鐳枋鋁鐳枋 鋁鐳枋 鋁鐳枋鋁鐳枋 鋁鐳枋 鋁鐳枋 鋁鐳枋
鋁鐳枋 鋁鐳枋 鋁鐳枋鋁鐳枋 鋁鐳枋 鋁鐳枋鋁鐳枋鋁鐳枋鋁鐳枋
鋁鐳枋 鋁鐳枋鋁鐳枋 鋁鐳枋 鋁鐳枋鋁鐳枋 鋁鐳枋
鋁鐳枋 鋁鐳枋鋁鐳枋 鋁鐳枋鋁鐳枋鋁鐳枋 鋁鐳枋 鋁鐳枋

NOA PD Firmware 0.0.0.1
Building Time 20211021192655
ESP Chip Model ESP32-D0WDQ5 Revision 1
ESP Chip Cores 2 CPUFreq 240 MHz
ESP SDK Version v3.3.5-1-g86043024e
ESP Heap Free(350016)/Size(375652)Bytes
ESP Flash Size 4 MB Mode 2 Speed 40 MHz
ESP Device ID 57903542981136

INF NOA_public.cpp 41 NOA_PUB_I2C_Scanner: I2C 0 Scanning...
INF NOA_public.cpp 56 NOA_PUB_I2C_Scanner: I2C 0 bus found a device at address 0x22
INF NOA_public.cpp 56 NOA_PUB_I2C_Scanner: I2C 0 bus found a device at address 0x74
INF NOA_public.cpp 67 NOA_PUB_I2C_Scanner: done
Address: 0x1, Value: 0x81
A_FUSB302EMPX_revB
Address: 0x2, Value: 0x7
Address: 0x3, Value: 0x25
Address: 0x4, Value: 0x31
Address: 0x5, Value: 0x60
Address: 0x6, Value: 0x4
Address: 0x7, Value: 0x0
Address: 0x8, Value: 0x2
Address: 0x9, Value: 0x7
Address: 0xA, Value: 0xE5
Address: 0xB, Value: 0xF
Address: 0xC, Value: 0x0
Address: 0xD, Value: 0xF
Address: 0xE, Value: 0xE2
```

清除窗口 打开文件 发送文件 停止 请发区 最前 English 保存参数 扩展

端口号 COM36 USB Serial Device HEX显示 保存数据 接收数据到文件 HEX发送 定时发送: 1000 ms/次 加回车换行

关闭串口 更多串口设置 加时间戳和分包显示 超时时间 20 ms 第1 字节 至 末尾 加校验 None

RTS DTR 波特率: 115200 abcd ef g

为了更好地发展SSCOM软件 请您注册嘉立创结尾客户 发送

【升级到SSCOM5.13.1】★2. ★RT-Thread中国人的开源免费操作系统 ★新一代WiFi芯片兼容8266支持RT-Thread ★806远距离WiFi可自组网

www.daxia.com S0 R:6031 COM36 已打开 115200bps,8,1,None,None CTS=1 DSR=0 RLSD=0

Check the Firmware version and Building Time, if it is same with the NOA ESP32 PD App firmware filename, that is mean the NOA PD board is working with the new firmware.

Note: