【K210开发笔记】#standalone#（1）Kendryte IDE 安装与使用
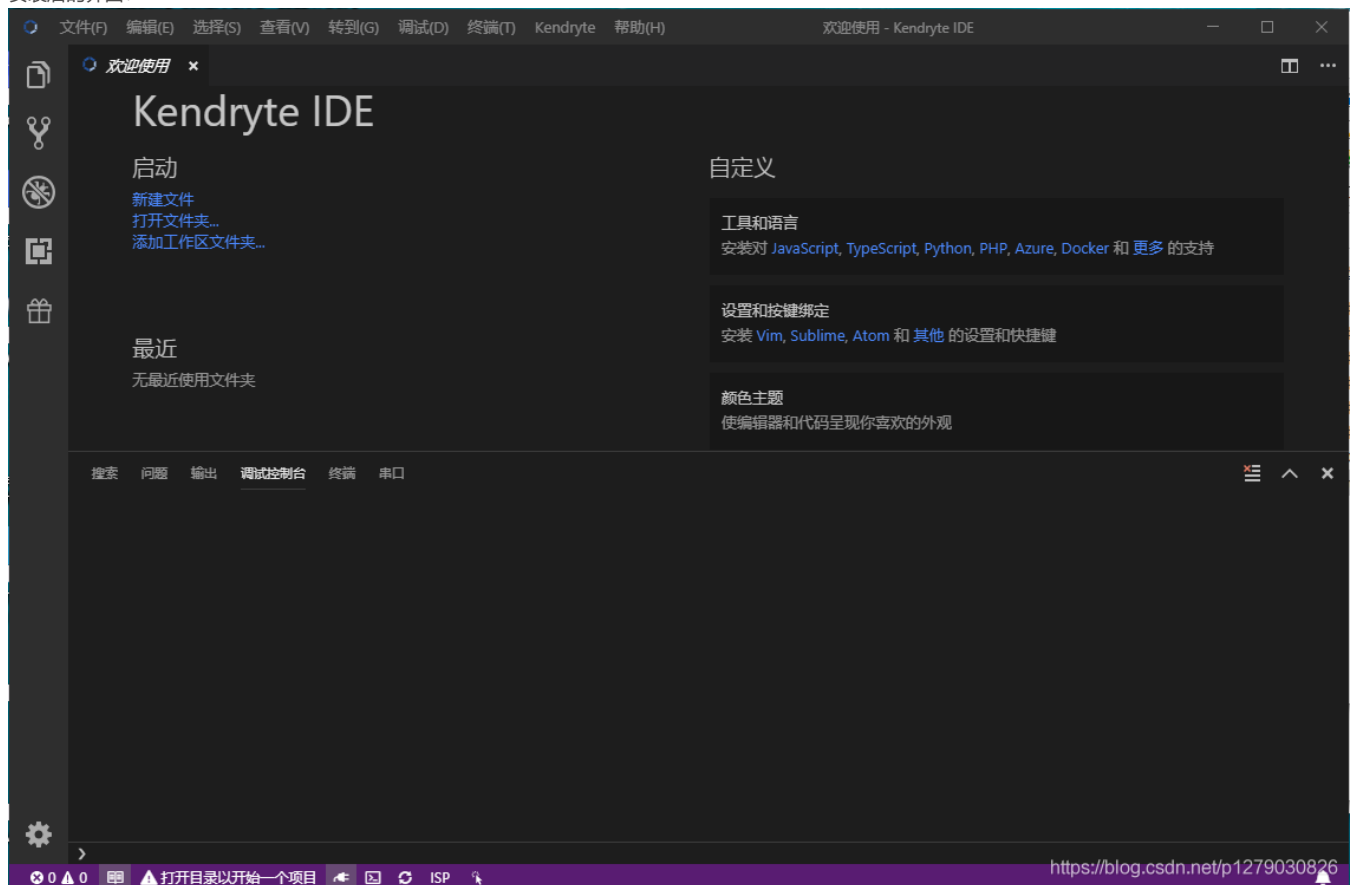
一、安装

Kendryte IDE 使用手册

1、windows

1. 下载 Kendryte IDE (BETA)
2. 解压后双击文件夹里面的 `KendryteIDE.bat` 安装
3. 【问题解决】K210 windows下Kendryte IDE安装出错问题解决

2、linux

```
1   # 安装7z解压工具
2   sudo apt-get install p7zip-full
3
4   # 下载 Kendryte IDE
5   wget http://kendryte-ide.s3-website.cn-northwest-1.amazonaws.com.cn/release/updater/beta/201906/updater.beta.20190604.4.linux.7z
6
7   # 解压
8   7z x updater.beta.20190604.4.linux.7z
9
10  # 执行脚本安装 IDE
11  cd KendryteIDE/
12  ./KendryteIDE.sh
```
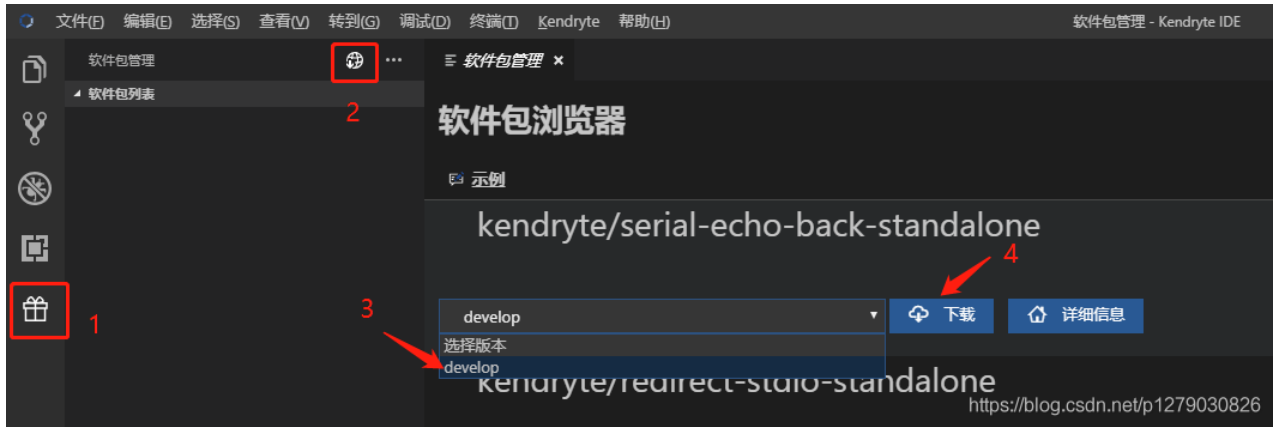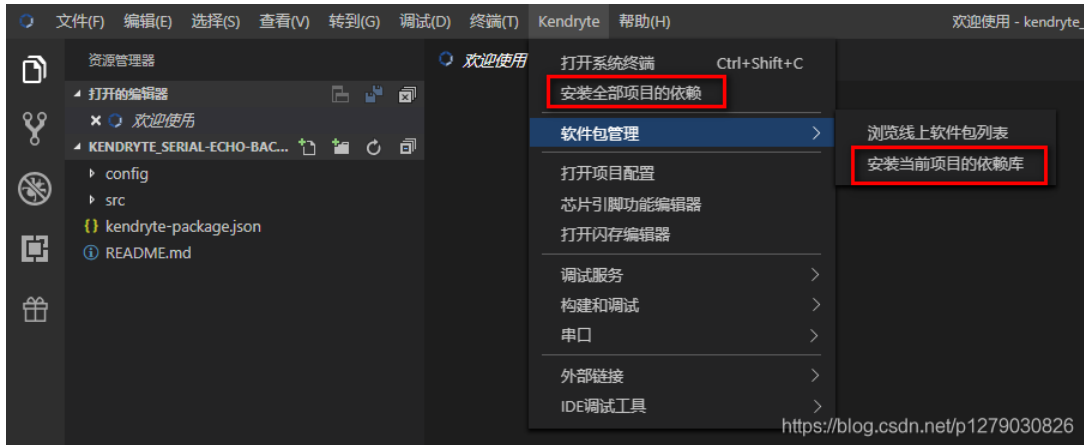
安装后的界面：
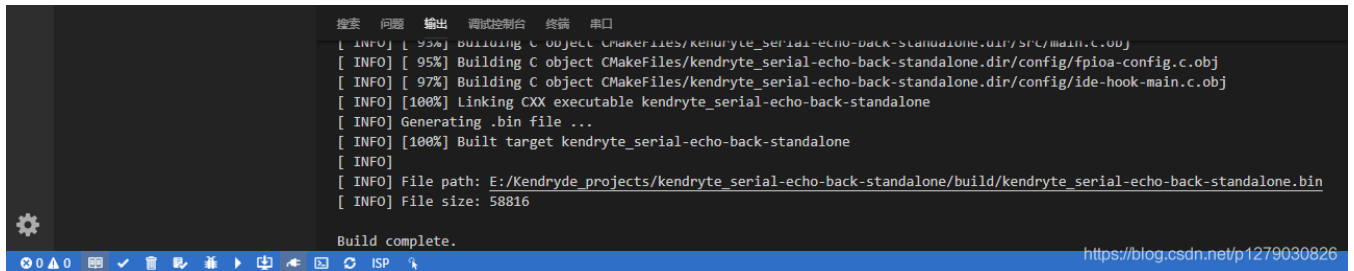

二、使用

1、下载软件包

2、安装项目依赖

初次使用直接点击 安装全部项目依赖 ：

3、编译

点击下面 构建 按钮编译项目：

编译完成：

```
[ INFO] [ 93%] Building C object CMakeFiles/kendryte_serial-echo-back-standalone.dir/src/main.c.obj
[ INFO] [ 95%] Building C object CMakeFiles/kendryte_serial-echo-back-standalone.dir/config/fpioa-config.c.obj
[ INFO] [ 97%] Building C object CMakeFiles/kendryte_serial-echo-back-standalone.dir/config/ide-hook-main.c.obj
[ INFO] [100%] Linking CXX executable kendryte_serial-echo-back-standalone
[ INFO] Generating .bin file ...
[ INFO] [100%] Built target kendryte_serial-echo-back-standalone
[ INFO]
[ INFO] File path: E:/Kendryde_projects/kendryte_serial-echo-back-standalone/build/kendryte_serial-echo-back-standalone.bin
[ INFO] File size: 58816

Build complete.
```

4、烧录

点击下面的 点击选择刷写器默认串口设备 按钮选择对应的串口：

如果这里没有设备对应的串口，重启一下IDE：

COM6: wch.cn 5&1727e313&0&3
USB\VID_1A86&PID_7523\5&1727E313&0&3
COM3: wch.cn 6&49d7ebe&0&1
USB\VID_1A86&PID_7523\6&49D7EBE&0&1
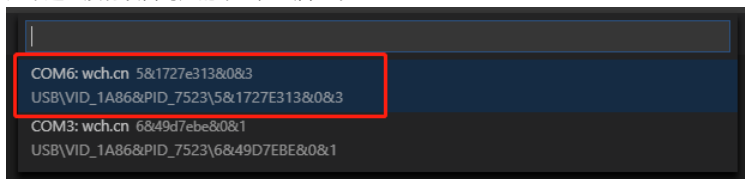
点击下面的 构建和刷写 按钮开始烧录：

烧录完成:

```
[ INFO] Failed to boot as KD233: Timeout greeting kd233 board
[ INFO] try reboot as other board
[ INFO]  - Hello.
[ INFO] Writing boot loader to memory (at 0x80000000)
[ INFO] Writing memory with 1024 chunk size. total bytes = 36224, chunk = 36
[ INFO]   - speed: 10.50KB/s
[ INFO]  - Complete.
[ INFO] Boot from memory: 0x80000000.
[ INFO]   boot command sent
[ INFO]  - Greeting 1.
[ INFO]    - got hello.
[ INFO] Select flash: InChip
[ INFO]  - Complete.
[ INFO] Downloading program to flash
[ INFO] Writing flash with 4096 chunk size. total bytes = 58853, chunk = 15
[ INFO]   - speed: 8.90KB/s
[ INFO]  - Complete.
[ INFO] finished.
[ INFO] ================================
[ INFO] Program successfully flashed to the board. https://blog.csdn.net/p1279030826
```

烧录完成: