

5G智能物联网

# Aidlux下GPIO口工程

广和通大学计划项目组

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Aidlux下GPIO口功能测试

# Aidlux下GPIO口功能测试

首先需完成Aidlux下GPIO口功能测试，以确保GPIO口可以正常使用，测试方法见链接：

[https://bbs.elecfans.com/jishu\\_2422919\\_1\\_1.html](https://bbs.elecfans.com/jishu_2422919_1_1.html)

5、当寄存器的值改为1时，小灯亮灯，当寄存器的值改为0时，小灯灭灯

```
lahaina:/sys/class/gpio/gpio488 # echo 1 > value
lahaina:/sys/class/gpio/gpio488 # cat value
1
```



```
lahaina:/sys/class/gpio/gpio488 # echo 0 > value
lahaina:/sys/class/gpio/gpio488 # cat value
0
```



2

Aidlux下GPIO口工程代码解读

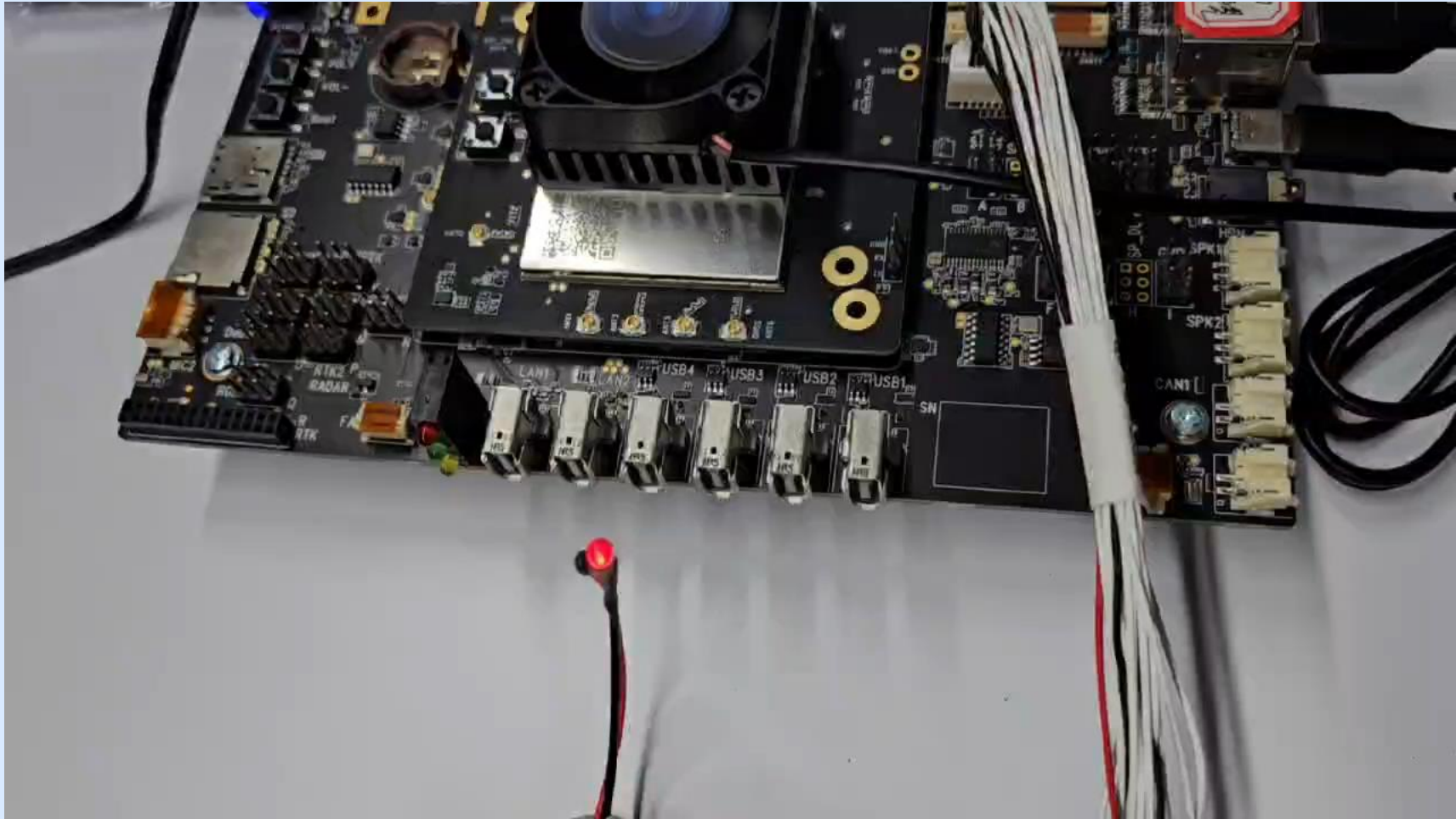
# Aidlux下GPIO口工程代码解读

gpio\_adb.py ×

gpio\_adb.py

```
1 #终端下安装 pip install subprocess
2 import subprocess
3 from time import sleep
4
5 #封装adb shell命令函数
6 def execute_adb_shell_command(command):
7     result = subprocess.run(['adb', 'shell', command], capture_output=True, text=True)
8     output = result.stdout.strip()
9     return output
10
11 #output = execute_adb_shell_command('cd sys/class/gpio/gpio488&&echo 1 > value')
12 #print(output)
13
14 #LED小灯以一秒间隔亮灯灭灯
15 while True:
16     output = execute_adb_shell_command('cd sys/class/gpio/gpio488&&echo 1 > value')
17     sleep(1) #亮灯1秒
18     output = execute_adb_shell_command('cd sys/class/gpio/gpio488&&echo 0 > value')
19     sleep(1) #灭灯1秒
```

# Aidlux下GPIO口工程效果演示



3

Aidlux下GPIO口工程代码分享



# Aidlux下GPIO口工程代码分享

工程链接: <https://pan.baidu.com/s/1MlkSWYmfRvD-W1T8WhyX2g?pwd=kw1k>

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