

5G智能物联网

Aidlux下串口工程

广和通大学计划项目组

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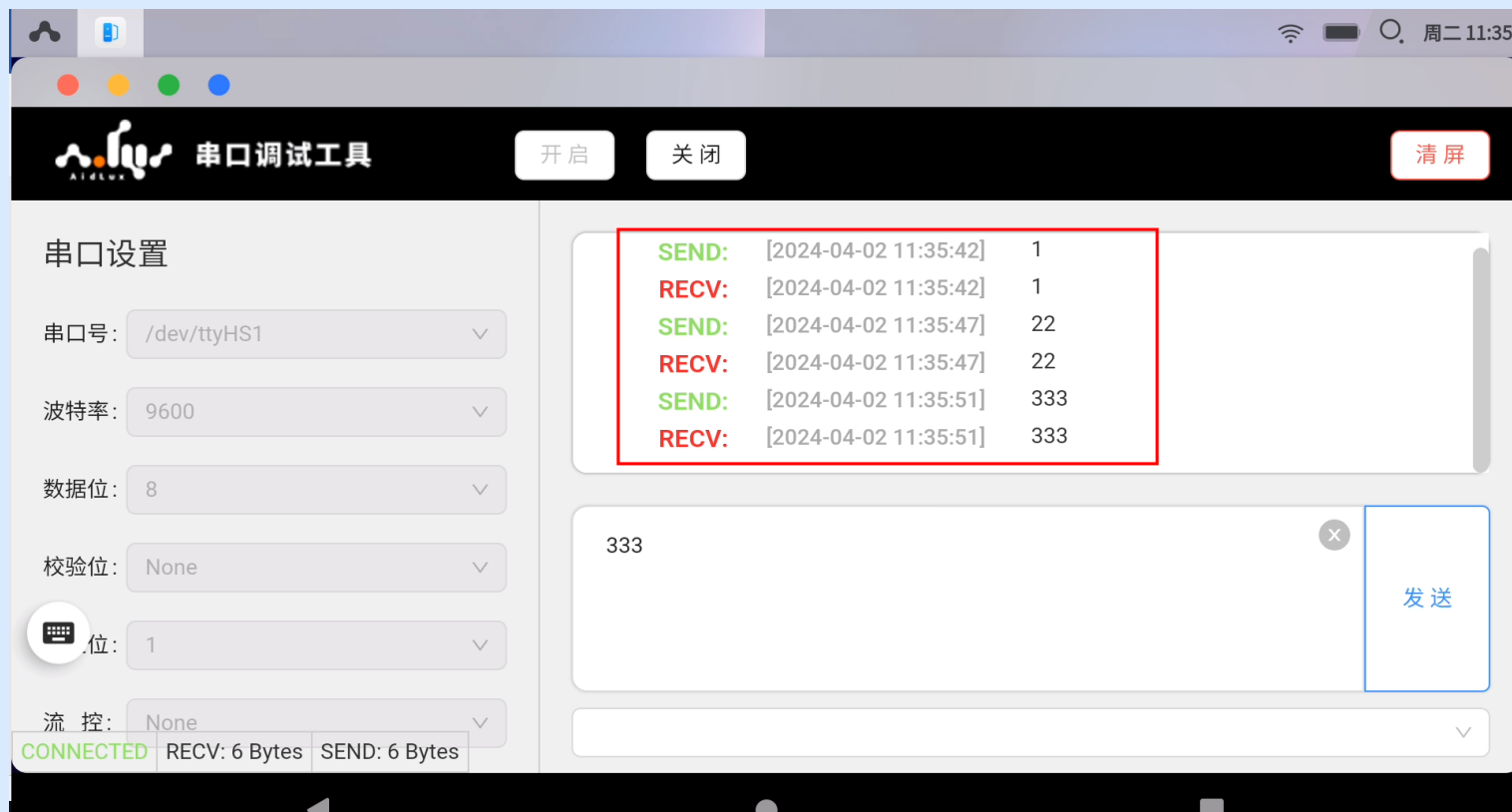
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Aidlux下串口功能测试

Aidlux下串口功能测试

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

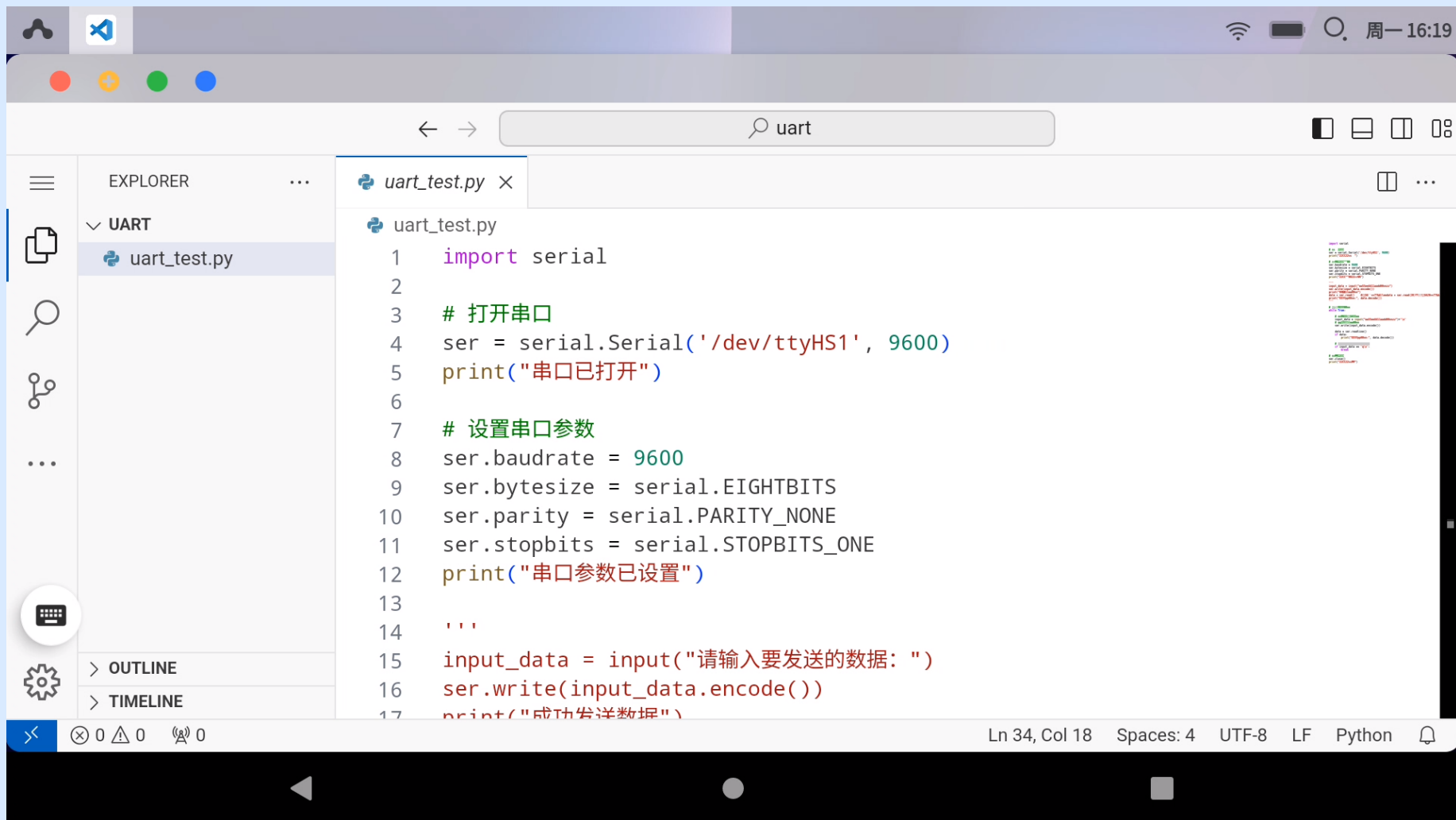
https://bbs.elecfans.com/jishu_2422919_1_1.html



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Aidlux下串口工程代码解读

Aidlux下串口工程代码解读

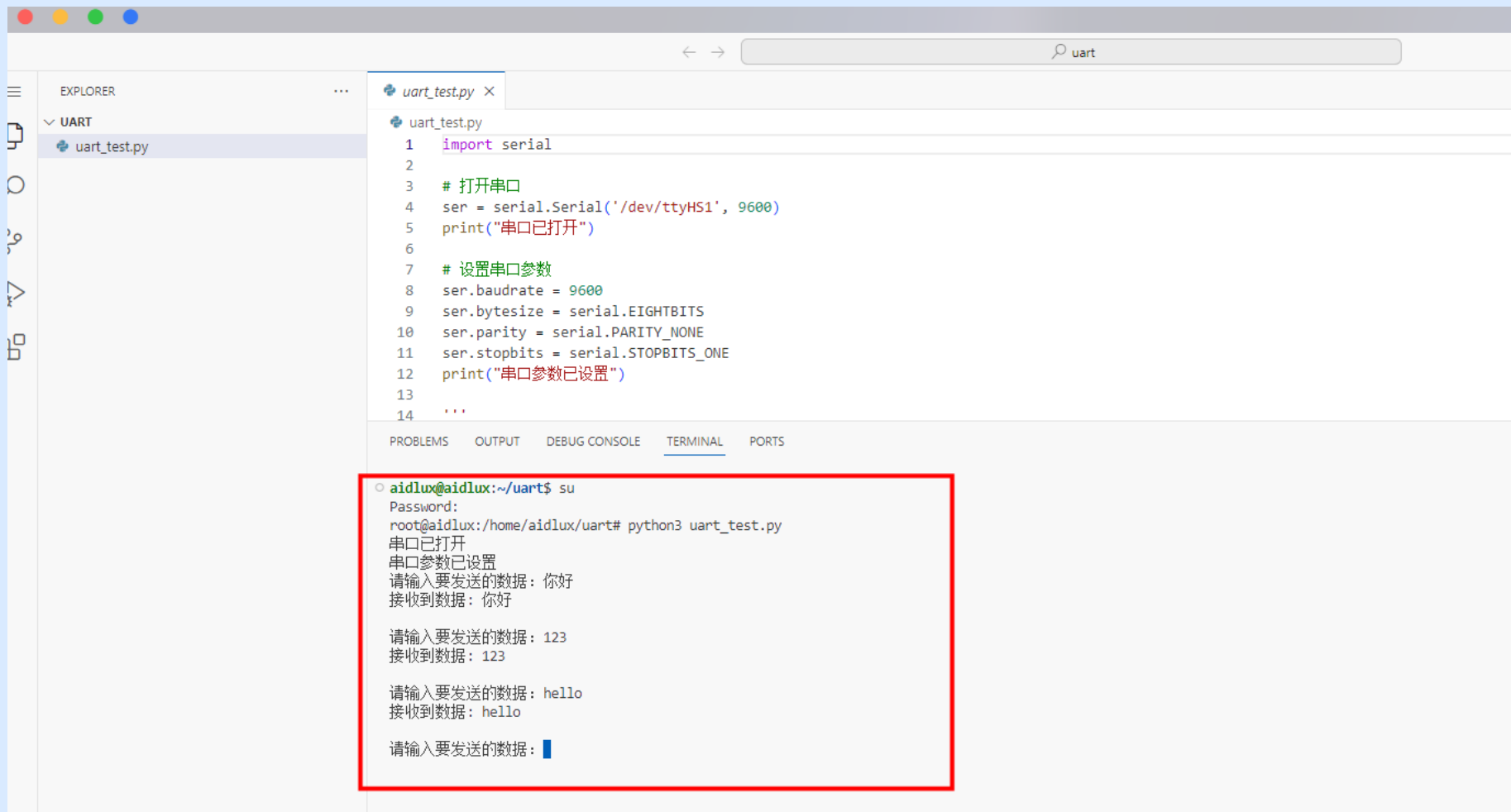


The image shows a screenshot of a code editor interface, likely Visual Studio Code, displaying a Python script named `uart_test.py`. The script is used for testing serial communication. The code is as follows:

```
1 import serial
2
3 # 打开串口
4 ser = serial.Serial('/dev/ttyHS1', 9600)
5 print("串口已打开")
6
7 # 设置串口参数
8 ser.baudrate = 9600
9 ser.bytesize = serial.EIGHTBITS
10 ser.parity = serial.PARITY_NONE
11 ser.stopbits = serial.STOPBITS_ONE
12 print("串口参数已设置")
13
14 '''
15 input_data = input("请输入要发送的数据: ")
16 ser.write(input_data.encode())
17 print("成功发送数据")
```

The interface includes a top status bar with system icons (Wi-Fi, battery, search, and time: 周一 16:19) and a search bar containing the text "uart". The left sidebar shows the Explorer view with a folder named "UART" containing the file `uart_test.py`. The bottom status bar indicates the current cursor position: "Ln 34, Col 18", along with other settings like "Spaces: 4", "UTF-8", "LF", and "Python".

Aidlux下串口工程效果演示



The image shows a screenshot of an IDE (Visual Studio Code) with a Python script named `uart_test.py` open. The script is designed to open a serial port, set parameters, and handle data transmission and reception. The terminal window below the editor shows the execution of the script, including the user's input and the program's output.

```
1 import serial
2
3 # 打开串口
4 ser = serial.Serial('/dev/ttyHS1', 9600)
5 print("串口已打开")
6
7 # 设置串口参数
8 ser.baudrate = 9600
9 ser.bytesize = serial.EIGHTBITS
10 ser.parity = serial.PARITY_NONE
11 ser.stopbits = serial.STOPBITS_ONE
12 print("串口参数已设置")
13
14 ...
```

Terminal Output:

```
aidlux@aidlux:~/uart$ su
Password:
root@aidlux:/home/aidlux/uart# python3 uart_test.py
串口已打开
串口参数已设置
请输入要发送的数据: 你好
接收到数据: 你好

请输入要发送的数据: 123
接收到数据: 123

请输入要发送的数据: hello
接收到数据: hello

请输入要发送的数据: █
```

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Aidlux下串口工程代码分享

Aidlux下串口工程代码分享

工程链接: <https://pan.baidu.com/s/1YsKosKPxW04Ud9BGyfP2lw?pwd=xuni>

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