

**Fibocom** 广和通

完 美 无 线 体 验

# 串口测试指南

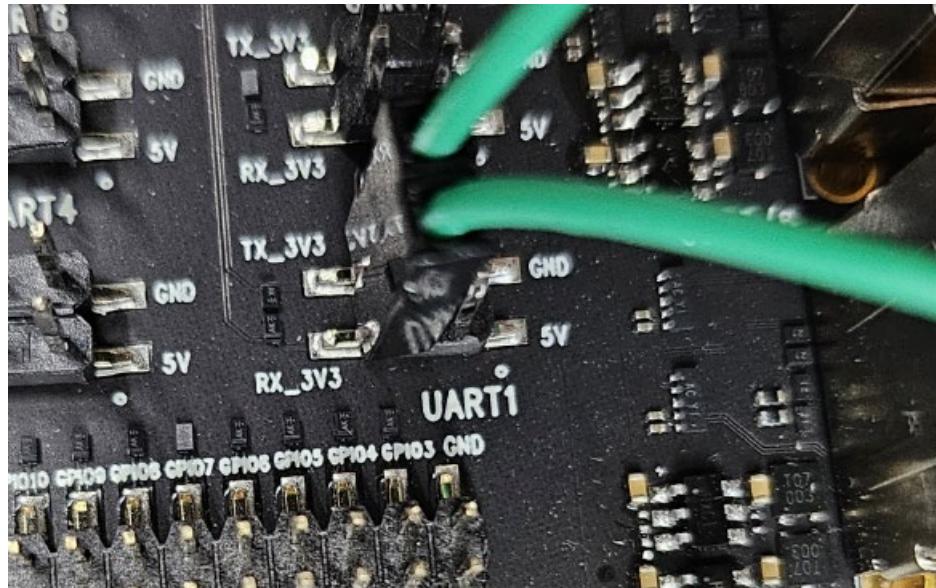
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## 详细步骤

1. 板卡提供了 7 个 UART 接口 (UART1、UART2、UART4、UART5、UART6、UART7、UART8) , 推荐使用 **UART1 与 UART2**。

这里使用 UART1 进行测试, 使用杜邦线将 UART1 的 RX 和 TX 连接



2. 使用适配器给开发板上电, 使用 TYPE C 的数据线, 将开发板连接至电脑, 在电脑中打开终端 (电脑提前安装 ADB 工具), 输入以下命令:

`adb root`

`adb shell`

```
C:\Users\F21L002269>adb root
* daemon not running; starting now at tcp:5037
* daemon started successfully
restarting adbd as root

C:\Users\F21L002269>adb shell
sh-5.0#
```

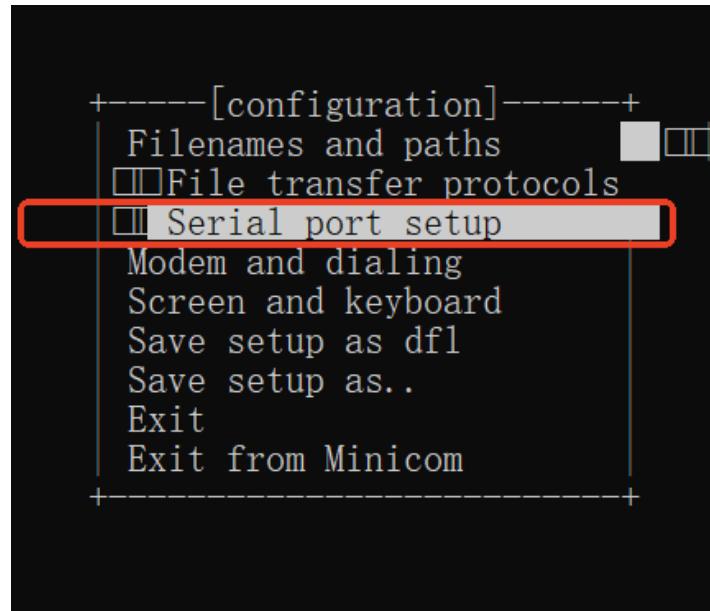
3. 连接 wifi, 详情请见《WIFI 连接指南》

4. 输入命令下载 minicom, 串口工具: `apt install minicom`

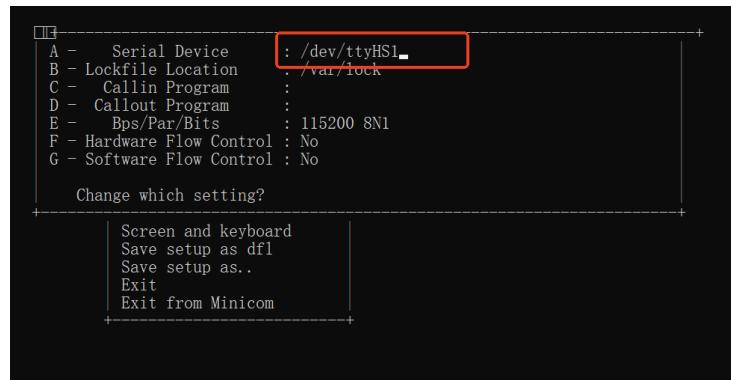
```
sh-5.0# apt install minicom
Reading package lists... Done
Building dependency tree
Reading state information... Done
minicom is already the newest version (2.7.1-1.1).
0 upgraded, 0 newly installed, 0 to remove and 143 not upgraded.
sh-5.0#
```

5. 使用 minicom 工具来做接收, 输入命令: `minicom -s`

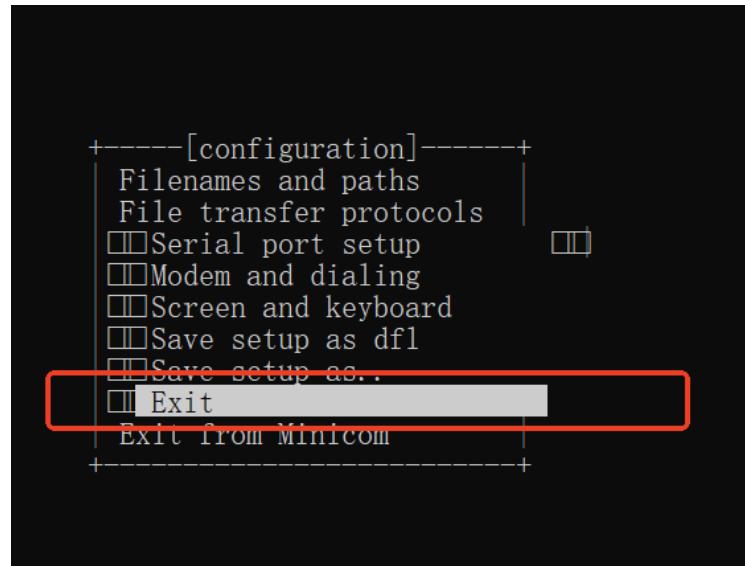
## 6. 选择“Serial port setup”



## 7. 输入“A”回车，修改设备名为“/dev/ttyHS1”，如图所示



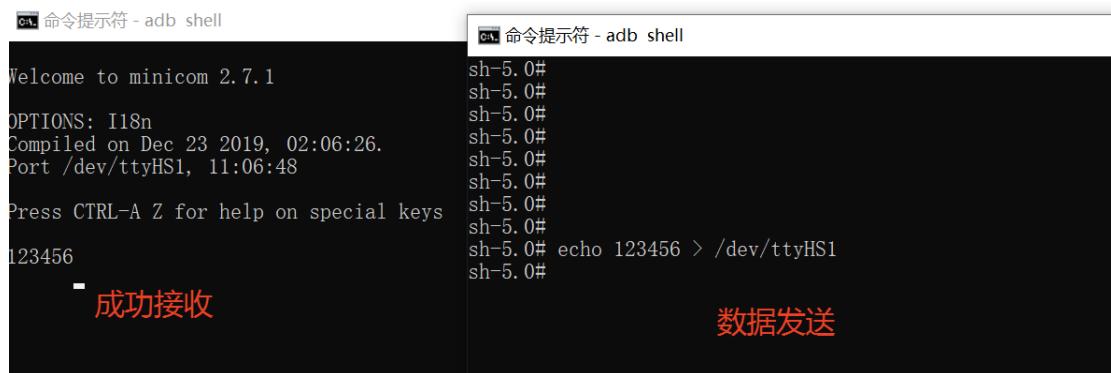
## 8. 回车两次保存，选择“Exit”回车退出



9. 再打开一个终端，进入开发板终端，输入命令来发送数据：

```
echo 123456 > /dev/ttyHS1
```

如图所示，数据发送接受成功，则测试成功。



The image shows two terminal windows side-by-side. The left terminal window, titled '命令提示符 - adb shell', displays the output of the minicom 2.7.1 software. It shows the welcome message, build options, and a command prompt. The right terminal window, also titled '命令提示符 - adb shell', shows the host's command line interface. It receives the data '123456' from the device and then sends the command 'echo 123456 > /dev/ttyHS1' back to the device. The text '成功接收' (Success Received) is overlaid in red on the left window, and '数据发送' (Data Sent) is overlaid in red on the right window.

```
命令提示符 - adb shell
Welcome to minicom 2.7.1
OPTIONS: I18n
Compiled on Dec 23 2019, 02:06:26.
Port /dev/ttyHS1, 11:06:48
Press CTRL-A Z for help on special keys
123456

命令提示符 - adb shell
sh-5.0#
sh-5.0#
sh-5.0#
sh-5.0#
sh-5.0#
sh-5.0#
sh-5.0#
sh-5.0#
sh-5.0# echo 123456 > /dev/ttyHS1
sh-5.0#
```

成功接收

数据发送