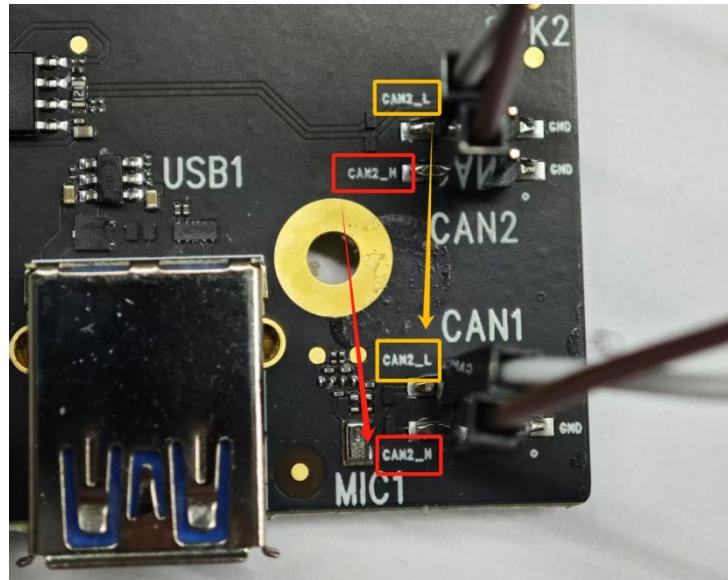




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## 详细步骤

1. 使用杜邦线直接将两个 CAN 接口互联 (CAN\_H 接在一起, CAN\_L 接在一起) 做数据收发测试。



2. 输入以下命令, 进入开发板终端:

```
adb root
```

```
adb shell
```

3. 输入以下命令, 查询是否有 CAN 接口:

```
ifconfig -a
```

```
sh-5.0# ifconfig -a
can0: flags=128<NOARP> mtu 16
      unspec 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00 txqueuelen 10  (UNSPEC)
      RX packets 0 bytes 0 (0.0 B)
      RX errors 0 dropped 0 overruns 0 frame 0
      TX packets 0 bytes 0 (0.0 B)
      TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
      device interrupt 80

can1: flags=128<NOARP> mtu 16
      unspec 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00 txqueuelen 10  (UNSPEC)
      RX packets 0 bytes 0 (0.0 B)
      RX errors 0 dropped 0 overruns 0 frame 0
      TX packets 0 bytes 0 (0.0 B)
      TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
      device interrupt 81

dummy0: flags=195<UP,BROADCAST,RUNNING,NOARP> mtu 1500
      inet6 fe80::c2e0:155d:47eb:486e prefixlen 64 scopeid 0x20<link>
      ether 9a:0d:48:e9:b5:73 txqueuelen 1000 (Ethernet)
      RX packets 0 bytes 0 (0.0 B)
      RX errors 0 dropped 0 overruns 0 frame 0
      TX packets 212 bytes 72040 (72.0 KB)
      TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

4. 连接 wifi, 详情请见《WIFI 连接指南》

5. 输入以下命令安装 can-utils 测试工具:

```
apt-get install can-utils
```

```
sh-5.0# apt-get install can-utils
Reading package lists... Done
Building dependency tree
Reading state information... Done
can-utils is already the newest version (2018.02.0-1ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 143 not upgraded.
sh-5.0#
```

6. 输入以下命令，分别对 CAN0、CAN1 口设置，设置参数 250000 波特率，并打开 CAN 口：

```
ip link set can0 down
```

```
ip link set can0 type can bitrate 250000 loopback off
```

```
ip link set can0 up
```

```
ip link set can1 down
```

```
ip link set can1 type can bitrate 250000 loopback off
```

```
ip link set can1 up
```

```
sh-5.0# ip link set can0 down
sh-5.0# ip link set can0 type can bitrate 250000 loopback off
sh-5.0# ip link set can0 up
sh-5.0#
sh-5.0# ip link set can1 down
sh-5.0# ip link set can1 type can bitrate 250000 loopback off
sh-5.0# ip link set can1 up
sh-5.0#
```

7. 输入以下命令，选择 CAN0 口用于接收数据：

candump can0

8. 另外再打开一个终端，进入开发板终端，输入以下命令，选择 CAN1 口用于发送数据：

cansend can1 000#11.22.33.11

如图所示，接受数据的终端输出数据，测试成功。