

QA200EP 连接测试

1.1 环境搭建

- (1) 根据不同场景提供必须的测试治具
- (2) 提供必要测试场地

1.2 板卡测试项

操作系统：Ubuntu 18.04

1. 首先对应 QA200EP 开关按钮三处如下图所示：



2. 将 QA200EP 插入电脑主机，下载对应版本的驱动与固件，例如：

[Atlas-200-npu-driver_21.0.4_linux-x86_64.run](#)

昇腾NPU EP工作模式下驱动包，支持配套Ubuntu18.04.1 X86操作系统(run格式)

[Atlas-200-npu-firmware_1.80.22.2.220.run](#)

昇腾NPU EP工作模式下固件包，支持配套Ubuntu18.04.1 X86

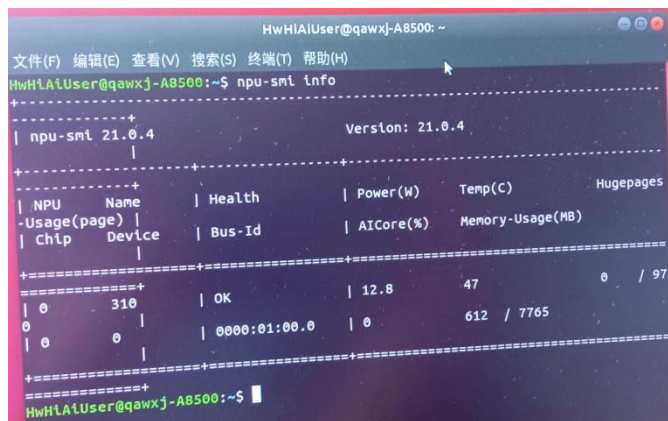
执行命令

```
./Atlas-200-npu-driver_21.0.4_linux-x86_64.run -full
```

```
./Atlas-200-npu-firmware_1.80.22.2.220.run -full
```

具体参考 EP 模式安装文档，完成固件和驱动的安装

3. 安装成功后，在终端输入命令 `npu-smi info`，显示如下界面，则测试成功。



A terminal window titled 'HwHiAiUser@qawxj-A8500: ~' showing the command `npu-smi info` and its output. The output is a table with columns: NPU-Usage(page), Name, Health, Power(W), Temp(C), and Hugepages. The first row shows NPU-Usage: 0, Name: 310, Health: OK, Power: 12.8, Temp: 47, and Hugepages: 0 / 97. The second row shows NPU-Usage: 0, Name: 0, Health: 0000:01:00.0, Power: 0, Temp: 612 / 7765, and Hugepages: 0 / 97.

```
HwHiAiUser@qawxj-A8500: ~  
文件(F) 编辑(E) 查看(V) 搜索(S) 终端(T) 帮助(H)  
HwHiAiUser@qawxj-A8500:~$ npu-smi info  
+-----+  
| npu-smi 21.0.4 | Version: 21.0.4 |  
+-----+  
+-----+  
| NPU-Usage(page) | Name | Health | Power(W) | Temp(C) | Hugepages |  
| Chip | Device | Bus-Id | AICore(%) | Memory-Usage(MB) |  
+-----+  
+-----+  
| 0 | 310 | OK | 12.8 | 47 | 0 / 97 |  
+-----+  
| 0 | 0 | 0000:01:00.0 | 0 | 612 / 7765 |  
+-----+  
+-----+  
HwHiAiUser@qawxj-A8500:~$
```