

2.???????GPIO

1.??GPIO??????????

```
❯ 31❯❯❯❯❯❯ 454❯ GPIO❯❯❯❯ PQ.06❯❯❯❯
```

```
❯❯❯❯❯❯ 1.2 GPIO❯❯❯❯❯❯❯❯❯❯❯❯
```

2.???root???????GPIO?

```
sudo bash
```

```
echo 454 > /sys/class/gpio/export
```

2.??GPIO??????

```
echo in > /sys/class/gpio/PQ.06/direction
```

```
❯❯ GPIO❯❯❯❯❯❯❯❯❯❯❯❯ 1❯❯❯❯❯❯ 0❯❯❯❯❯❯
```

```
cat /sys/class/gpio/PQ.06/value
```

3.??GPIO??????

```
echo out > /sys/class/gpio/PQ.06/direction
```

```
❯❯ GPIO❯❯❯❯❯❯❯❯❯❯❯❯ 1❯❯❯❯❯❯❯❯❯❯❯❯ 0❯❯❯❯❯❯❯❯❯❯❯❯
```

```
echo 1 > /sys/class/gpio/PQ.06/value
```

```
❯❯ #2
```

```
❯ Admin ❯❯ 25 ❯❯ 2025 08:42:36
```

```
❯ edit ❯❯ 14 ❯❯ 2025 06:22:48
```