

## 安装MQTT库

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进入REPL，执行：

```
1 import upip
2 upip.install('micropython-umqtt.simple')
```

这样umqtt.simple这个包就安装好了。

## 测试代码

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```
1 from umqtt.simple import MQTTClient
2 #...
3
4 client=MQTTClient("WX1","192.168.1.3")
5 TOPIC = b"WX1"
6
7 while True:
8     #...
9     t = temp+', '+hum+', '+pres
10    client.connect()
11    client.publish(TOPIC, t)
12    client.disconnect()
13    print('POSTED: '+t)
14    sleep(10)
```

## 订阅

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在.3上执行：

```
mosquitto_sub -t WX1
```

就能收到发布的内容：

```
22.31C,34.18%,1022.62hPa
```

## 参考

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<http://www.1zlab.com/wiki/micropython-esp32/mqtt/>

## 在PRi上安装mqtt服务器

```
1 sudo apt install mosquitto
2 sudo apt install mosquitto-clients
3 mosquitto_sub -t /public
4 mosquitto_pub -t /public -m "hello"
5 sudo systemctl enable mosquitto.service
```

服务器工作在默认的1883端口。