

How to check wireless speed via iPerf

Because most of the test tool connect from the client to the Internet, there's no way to know if there's wireless or the Internet issue when the speed is low. To use the iperf can exclude the Internet issue and only test for the connection from the client to the AP.



Test steps:

- 1. When testing the speed, please make sure there's no other APs at the same channel of the test AP, and no other clients connected on the AP. The environment should be clear without other APs or clients or the other AP signal strength should be lower than -90dBm.
- 2. Prepare two clients for testing. One is connected on the AP directly with wired cable, and the other is connected with the SSID of the AP.
- 3. To execute the iperf, one of the client will be the server and the other one is the client.
- 4. Put the iperf execution file in C:\
- 5. Please open a command window in Windows OS, and execute below commands on one of the client which is acted as a iperf server.

 $C: \ | perf - s$

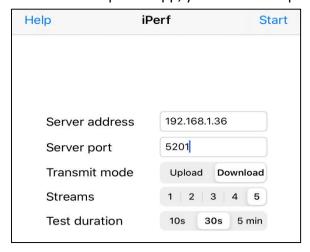
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C:\>iperf -s
Server listening on 5201
```

- 6. You can use the computer or the mobile phone with iperf app tool as a iperf client. Here are the example of two client execute commands for your reference.
 - → For the Windows client (PC or a laptop) connected on the AP with wireless. C:\> iperf -c 192.168.1.36 -P 6 -t 10 -i 1

The parameter means the client will connect to the server IP 192.168.136 and test for 10 seconds with 6 parallels per second.

```
C:\WINDOWS\system32>cd C:\
C:\> iperf -c 192.168.1.36 -P 6 -t 10 -i 1
```

→ For the mobile phone app, you can set the parameters on it directly.

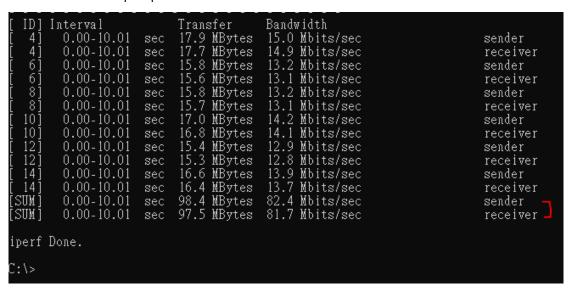




Test Result

The test result will show on the laptop or app directly.

1. Show on the laptop.



2. Show on the app.

