

Is there a standard measurement of network speed with Speedtest?

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Currently, to test Internet speed, many people often use tools like Speedtest, Fast . So how do these tools work and are the results accurate? The following article will help you get the answer.

In fact, the download and upload speeds are limited to a certain amount depending on the service provider and the package you register. If you use a 30 Mbps plan that results after measuring at 28 Mbps, your network is completely stable. But if the results after multiple checks at different times are only around 10 Mbps, contact the vendor for assistance.

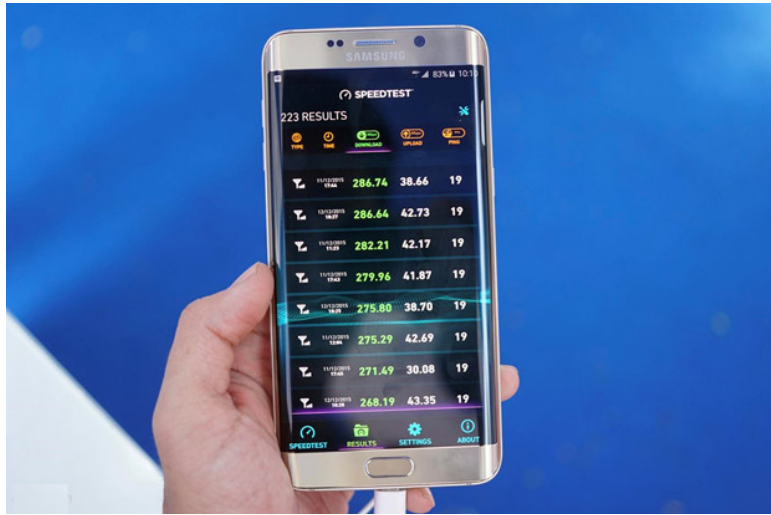


Speedtest is the simplest and most popular tool currently used by many users to check how fast their Internet is. Photo: Cnet.

3 information that Internet speed measurement tools will check include: ping, upload and download speeds. In particular, the following two information are most important and are always advertised by the public provider. Usually download speeds will be faster than upload speeds.

How the Internet speed measuring tool works

The first Internet speed measurement tool is to find the test server closest to your location. It then sends a signal (ping) to the server and then waits for a response, usually after several milliseconds.



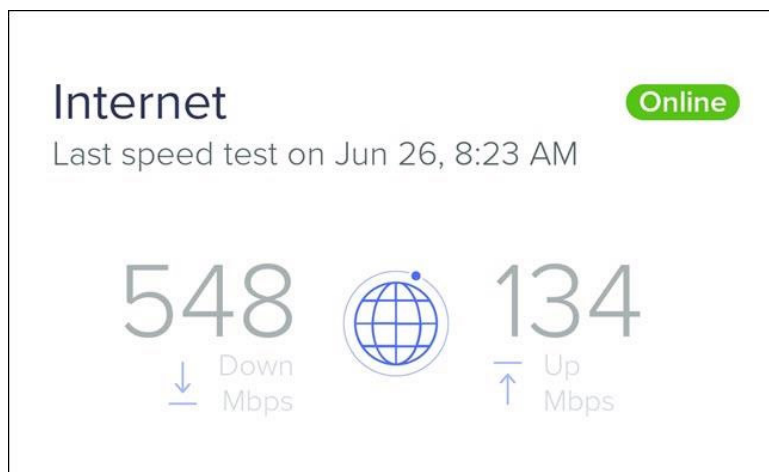
Most network speed measuring tools provide three information: ping, upload speed, download speed. Photo: Duy Tin.

Then, the tool will open multiple connections to the server and then load a small amount of data to measure the download speed. At this time, there are two recorded information: how much data and network resources are used.

If your Internet has a large bandwidth (multiple resources), the tool will open more connections to download more data for the purpose of checking whether the full use of Internet resources can download data simultaneously.

When downloading a larger amount of data, the tool will measure the amount of data downloaded in a certain time and then rely on it to calculate the download speed.

The process of measuring upload speed also takes place similarly as above but the tool will download data from the computer to the server instead of downloading from the server to the computer.



Download speed is usually faster than upload speed. Photo: How-To Geek.

Is the Internet speedometer accurate?

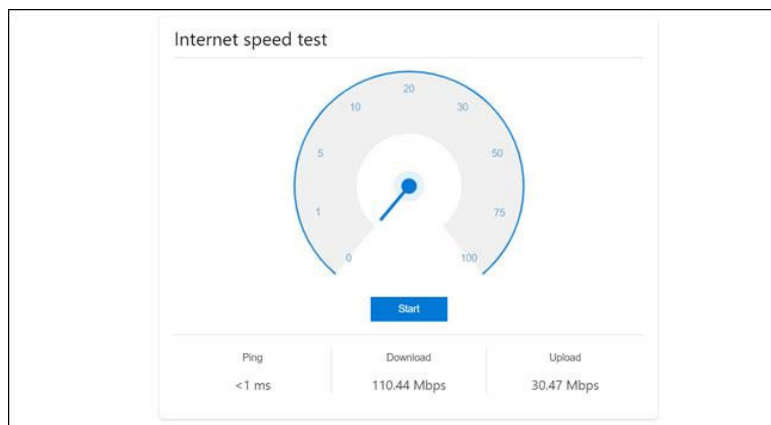
In fact, the results of measuring Internet speed are accurate or not, depending on many factors, not as simple as the above measurement.

The first is the location of the server. If the server is located in the same city you live in, the data will not have to be transmitted far and will bring optimum efficiency. This is the reason that many businesses often choose different areas to place their servers so that their service users in that area get the best experience.

However, there are now many websites that have servers located very far, even in other countries. Therefore, when measuring Internet speed with Speedtest, the results are quite high, but when used, the speed is much slower because the server is too far.

If you have just used the network and performed a speed test, the results will not be accurate. Specifically, the test results when you do not see anything, download nothing will be faster than when you just check and watch Netflix or download heavy files.

Test results are also affected by conditions of implementation. Results may vary if different devices are used, even if connected to the same network. Smartphone, tablet using Wi-Fi will usually give slower results than computers using wired networks.



Test results of the 500 Mbps download package, while checking and downloading updates for Xbox One, are just over 110 Mbps. Photo: How-To Geek.

To get high speed test results, perform the test in the most ideal condition: select the nearest server, use a computer connected to a wired network, do nothing during the test both. Of course, no matter how ideal the test conditions are, the results cannot be 100% accurate. So, see that as a reference tool.

1. Mozilla launches a new browser called Firefox Preview, fast browsing speed and smooth running
2. A new error on Windows 10 caused a significant slowdown in shutdown speed and a temporary fix

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