

How to check the read and write speed of HDD, SSD, USB drives with CrystalDiskMark

How to check the read and write speed of HDD, SSD, USB drives with CrystalDiskMark. To evaluate a storage device such as a hard drive, usb or memory card ... we will rely on the read and write speed of that device.

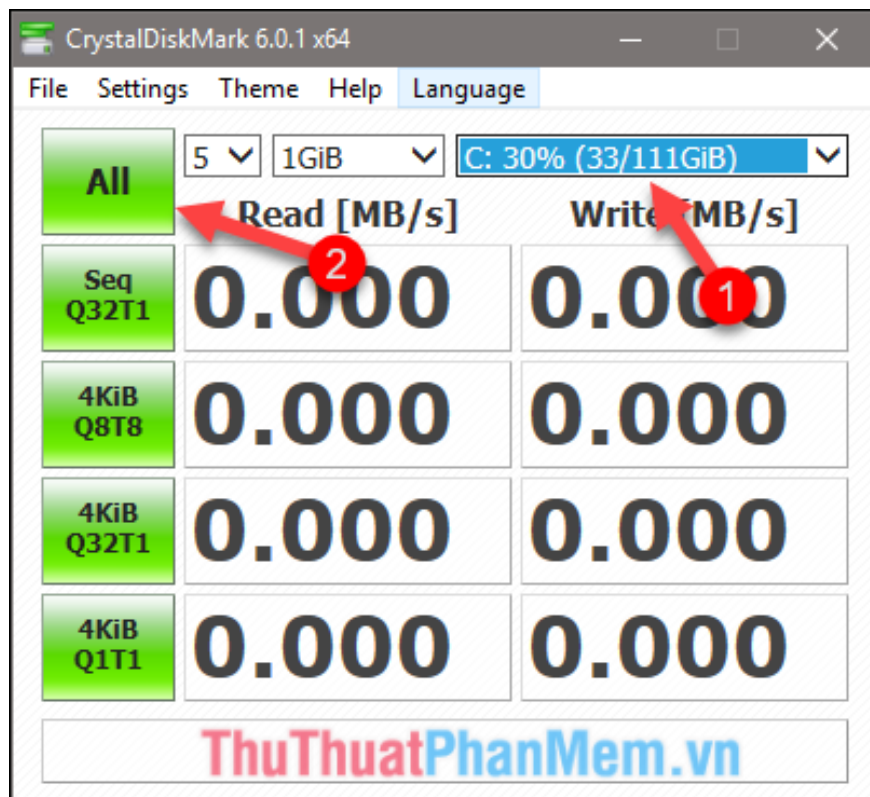
To evaluate a storage device such as a hard drive, usb or memory card . we will rely on the read and write speed of that device. So how do you know the read and write speed of the storage device you are using? Very simple, we only need to use CrystalDiskMark software to measure the read and write speed of the drive or usb. Currently we have quite a lot of software to measure the read and write speed of the hard drive or storage devices, but CrystalDiskMark is the software used by most people because this software gives quite accurate parameters. and clear. In addition, CrystalDiskMark also provides us with 4 different methods of measuring data read and write speeds for you to compare and evaluate. The following article of TipsMake.com will guide you to use CrystalDiskMark software to check the read and write speed of the HDD, SSD or USB hard drive, please follow along.

First of all you need to download and install the **CrystalDiskMark** software on your computer.

Link to download **CrystalDiskMark**: <https://crystalmark.info/en/>

After downloading, you proceed to install normally, the installation software is very simple.

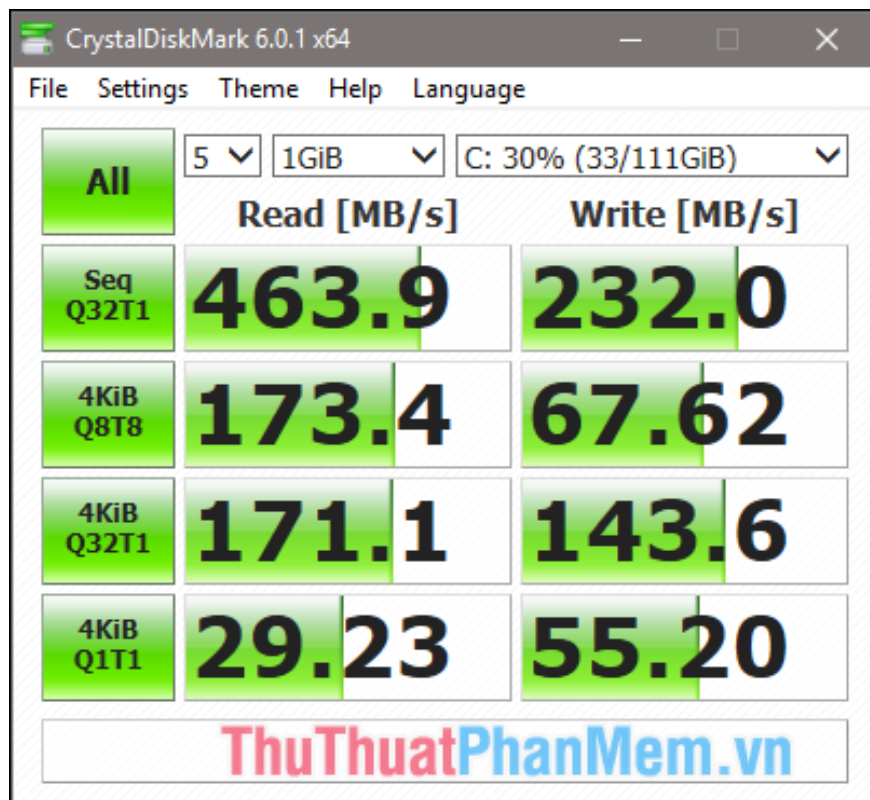
Once installed, launch the program and select the drive to test the speed, for example here we will check the speed of the C drive, which is an SSD:



Here we have 4 methods to measure hard drive speed, you can choose 1 of 4 modes or click All to check with all 4 modes.

Now wait for a while for the test to take place, which may take 5 or 10 minutes.

And after some time we have the results of checking the read and write speed of the hard drive:



Of the results that interest you the most is the **Seq** test mode , you can see that the read speed of the hard drive is 463.9 MB / s and the write speed is 232.0 MB / s, the speed is quite good. .

In addition, you can also refer to the meaning of other test modes as follows:

1. **Seq Q32T1** : The data is read sequentially and sequentially to the vicinity of the drive with 32 rows (Queues) and 1 thread (Threads) of data. This test mode will give the fastest speed.
2. **4KiB Q8T8** : The data is randomly read and written on the data area. Queues = 8, Threads = 8.
3. **4KiB Q32T1** : The data is randomly read and written on the data area. Queues = 32, Threads = 1.
4. **4KiB Q1T1**: The data is randomly read and written on the data area. Queues = 1, Threads = 1.

Above is an instruction on how to check the read and write speed of HDD, SSD, USB with CrystalDiskMark software. Hope you will find the article useful, wish you success!

You finished reading the article "**How to check the read and write speed of HDD, SSD, USB drives with CrystalDiskMark**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.