

What are SSD Types of PC and How SSD can Speed up Your Computer?

TechRounder PDF Edition

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<https://www.techrounder.com/technology/what-are-ssd-types-of-pc-and-how-ssd-can-speed-up-your-computer/>

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In brief

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If you are planning to replace your laptop or computer in the coming days because it is not running as fast as you want, then you might be thinking to replace the ageing hard drive for sure. SSD Types PCs are running very fast and which is common now. With so many options available in the market for computer owners all around the world, it becomes difficult to choose a reliable and genuine device for speeding up your computer.

Are you looking for a permanent solution for speeding up your computer right now? If yes is your answer, then swapping out the hard drive for an SSD (Solid State Drive) would help you in getting a fast speed you are looking for plus another few years of life from your PC.

How are SSDs different from hard drives?

You should note that both SSDs and hard drives are known for storing the information on your PC which includes the operating system, apps, documents, and many more. It is one of the three vital things in your PC which mainly determines its performance, along with RAM, and the processor you are currently using. When considering both storage option, the main question comes into mind is the comparison and it is SSD vs HDD speed. Yes, speed is the main concern.

The hard drive is comprised of one or more metal platters that bounce across the surface and writers of the platter or read data. SSDs, on the other hand, is a quieter, simpler, and safe alternative that can add a zip in the step of any computer similar to RAM. It would be better for you to understand that these SSDs have the same function as a hard drive of your computer but do not include mechanical parts.

It operates in a similar way to storage media such as USB memory stick and SD cards. SSD can write and read faster, use less energy, load your apps faster, and longer battery life. There is no need to wait for an SSD to spin down if your computer gets bumped when it is currently running. SSD does not have clicking arms, spinning discs, and helps in moving your data fast and silently.

What is the actual cost of SSD?

SSD will be more expensive than your computer hard drive and you are going to pay more for all the benefits. But it depends on several variables, including storage space. If you are not looking for high storage to copy huge amounts of data, then you can get a budget model by paying just \$70 only. For the higher storage capacity, it would cost you around \$1200 and would give you 2 TB storage.

How are SSDs safer than Hard Drives?

Of late, many people prefer using the only SSD due to its great benefits and features to them. Hard drives can become quite fragile with all the mechanical parts moving around them for sure. For comparison, a normal hard drive speed will be only 128 MBPS. Any mid-level SSD will speed between 500 and 600 MBPS or four times faster as an average hard drive.

Also, SSD transfer rates are based on the type of controller used, configuration, motherboard specs, bandwidth, firmware version, and many other variables. The transfer rates for SSDs can clock in at four gigabytes per second.

Should I Replace Hard Drive with an SSD?

SSDs offer a quiet, safer, and faster experience; they are currently limited by the storage capacity they can hold. You can get an SSD by paying just \$30-\$40 and it depends on the drive quality and brand. If you are using your computer only for browsing the internet, or word processing, then you should go for only 128GB SSD which would work better for you. In most cases, you can try using an SSD for your OS and a hard drive for storage purposes, which most of the SSD users prefer doing it.

You should understand that SSDs always last longer than the typical hard drives of your computer but they do have a certain number of read-write cycles they can easily perform before they start to commit mistakes or errors. So, it is better to replace the hard drive with an SSD without any second thought. Replacing your computer's hard drive with a fast SSD is one of the most effective upgrades you can make for making it run easily without any issues at all.

How to install a new SSD?

The process of installing SSD is very simple and easy to understand for the users. The first question is by yourself and it is 'how much SSD do I need'. Since SSD is costlier now, you need to compromise a bit regarding the space requirement. Next after getting your SSD is the installation and here you are not going to face any issues while installing it for sure. You would be able to install an SSD yourself even if you have never tried it before. And the SSD installation can be done without any problems.

It would be better for you to note that the SSD will come with online tutorials and instructions. You need cloning software to transfer your files from the old drive to the new one, but most of the SSD manufacturers in the market include free cloning software.

You may require a USB-to-SATA adapter, depending on the type of model you are going to choose and your computer. For computers, SSD is more energy-efficient and durable. Most computer makers are using SSDs for new computers because they are very lighter weight, durable, and use very less battery power than hard drives.

Installing your SSD will be depending on your PC, I would recommend everyone to look for a guide for your specific desktop or model of laptop. If you are not ready to start with a new installation of your OS, then you should always migrate your OS to your new SSD.

Conclusion

Finally, you are aware of the benefits of using SSD for speeding up your computer. There are several ways you can try and speed up an old computer, but installing an SSD will be a perfect solution for you. SSDs are amazing devices that will work exactly like your hard drives, only a lot faster. Instead of read/write heads and spinning platters, SSD takes the help of non-volatile memory chips to store your programs, computer's operating system, and data files.

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