

Top best microSD cards for 2020 devices

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Photos, videos or music all require a lot of memory. Although cloud computing technology has developed, people still look to microSD memory cards.

If you need a microSD card, keep in mind the following three things: speed, capacity and usage. There are many tools to check the speed and capacity of a memory card. Below are the best and fastest microSD cards for each device type.

The best types of microSD cards for each device









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How to choose a microSD card

Not all microSD cards are the same. They may have similar designs. However, there are many differences between the microSD card models. Here are the features of the microSD card you need to keep in mind.

Types of microSD cards

There are several different types of microSD cards. These cards may look the same but their capabilities will be very different.

	Full SD	miniSD	microSD	SD Card Capacity
SD				up to 2GB
SDHC				High Capacity 4GB to 32GB
SDXC				Extended Capacity Over 32GB up to 2TB

1. **microSD** : The traditional microSD card was launched in 2005 and has a maximum capacity of 4GB.
2. **microSDHC** : The second type of microSD card was first introduced in 2006, speeding up data transfer up to 32GB.
3. **microSDXC** : the third version of the microSD card, launched in 2009, supports up to 2.1TB of capacity, belongs to the Ultra High Speed ??memory card line. microSDXC version 5.0 has added support for Video Speed ??Class.
4. **microSDUC** : 4th generation microSD card with file transfer speed of up to 985MB / s, capacity up to 140TB. The current card writing speed is still unknown. The product will launch in the end of 2019.

Speed

The microSD card, especially with the two SDHC / SDXC versions, belongs to the high-speed memory line. The card speed range is measured from Class 2 to Class 10. A Class 2 microSD card will have a minimum write speed of 2MB / s, while Class 10 has a minimum write speed of 10MB / s.

Capacity

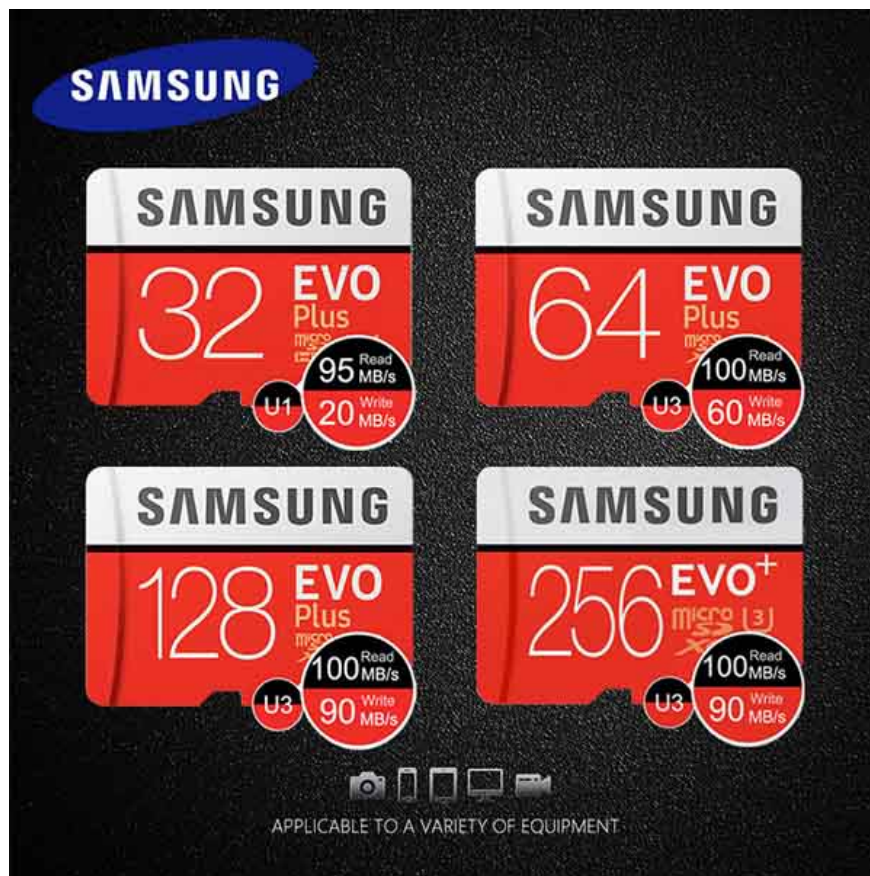
Do you need a 2GB or 200GB microSD card? The capacity depends on the purpose of the card. However, more than lack. In this article, we will only talk about microSD memory cards with a capacity of 64GB or more only.

Best microSD memory card for smartphones

Smartphone users often want a phone with huge capacity. Most high-end microSD cards for recording are fast enough with almost any use. Many smartphones today can record 8K videos, so you need a card that is extremely fast and has a large capacity.

1. Samsung Evo Plus

Samsung Evo Plus microSDXC 128GB card supports up to 100MB / s read speed and 90MB / s write speed. With 128GB of capacity, the Evo Plus can hold 6-hour 4K videos, 20 hours of 1080p videos, more than 35,000 photos or more than 19,000 songs.



Samsung Evo Plus also has water, temperature, X-ray and magnet resistance. Moreover, Samsung has a 10-year warranty for each of these microSDXC. The Evo Plus series also has a variety of other memory cards, such as the 512GB Samsung Evo Plus that can hold 24 hours of 4K video, 78 hours of 1080p video, more than 150,000 photos or more than 75,000 mp3 files.

2. SanDisk Ultra

SanDisk Ultra microSDXC memory cards offer great value. With cards ranging in size from 16GB to 512GB, read speeds up to 100MB / s, SanDisk microSDXC is perfect for smartphones and tablets. Like the Samsung Evo Plus lineup, the SanDisk Ultra cards are also backed by a 10-year warranty, which is water-resistant, high-temperature (with some special models), shockproof and X-ray proof.



There are also many ways to increase the storage capacity via microSD card on the phone. You can refer to more.

Best microSD memory card for camera

When it comes to digital photos and video recording, we have to prioritize the following two: storage capacity and recording speed. You want a card with high read and write speed to convert data and large capacity to hold all the content. Videos and photos can take up most space, especially content in high resolution or special formats (such as RAW images).

1. Lexar Professional 1800x

Lexar Professional 1800x is one of the fastest microSDXC cards for photographers and video producers. The 64GB version of the 1800x has a read speed of 270MB / s and a write speed of 250MB / s, an impressive figure. This memory card is specifically designed for shooting, using UHS Class 3 technology for fast data transfer speeds. The 1800x also works well with personal video recording devices like GoPro.



The only downside to the Lexar Professional 1800x memory card is that there is no consistency between the different memory versions of the card. The 64GB 1800x card has excellent transfer speeds, but the higher capacity version of 1280GB only has a write speed of 110MB / s. Compared to 250MB / s, this speed is actually greatly reduced.

2. ADATA Premier ONE

ADATA is a little-known memory card manufacturer. However, the ADATA Premier ONE card has been in the sights of many photographers and video producers, thanks to its large capacity and excellent content delivery capabilities. This is an almost perfect combination. The Premier ONE uses UHS Class 3 technology, delivering a read speed of 275MB / s, a write speed of 155MB / s, allowing you to shoot 8K, 3D and VR videos with ease.



Another commendable point of ADATA Premier ONE is a lifetime warranty. Along with features like water resistance, shock resistance and X-rays, this memory card is a great choice for photographers.

Best memory card for Nintendo Switch

Nintendo Switch users require a fast microSD card to be able to download and read games from the memory. Besides, the capacity of the card must also be large to accommodate the external features of the device. Nintendo Switch's internal hard drive has only 32GB, and most of it is already Switch's operating system, so an extra external microSD card is really necessary. Choose the best memory card for your Nintendo Switch.

1. SanDisk Extreme

The SanDisk Extreme series gives Nintendo Switch users plenty of options, with memory capacities ranging from 32GB up to 1TB. For most users, a 256GB card is sufficient. Remember, 256GB is already 8 times more than the Nintendo Switch's built-in memory.



The SanDisk Extreme 256GB has a read speed of 160MB / s and a write speed of 90MB / s, with a lifetime warranty from the manufacturer. If you want to play every game on Nintendo Switch, choose a 1TB SanDisk Extreme microSD card.

2. Delkin Prime

Delkin usually produces high-end memory cards for videographers, but the 128GB Delkin Prime is great for Nintendo Switch users. That's because the Delkin Prime product line has read / write speeds of 300MB / s and 100MB / s, which are admirable. While the capacity of the card might not be the same as that of the SanDisk Extreme, the excellent data transfer rates make up for that lack. However, do you really want to play 20 games at the same time?



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