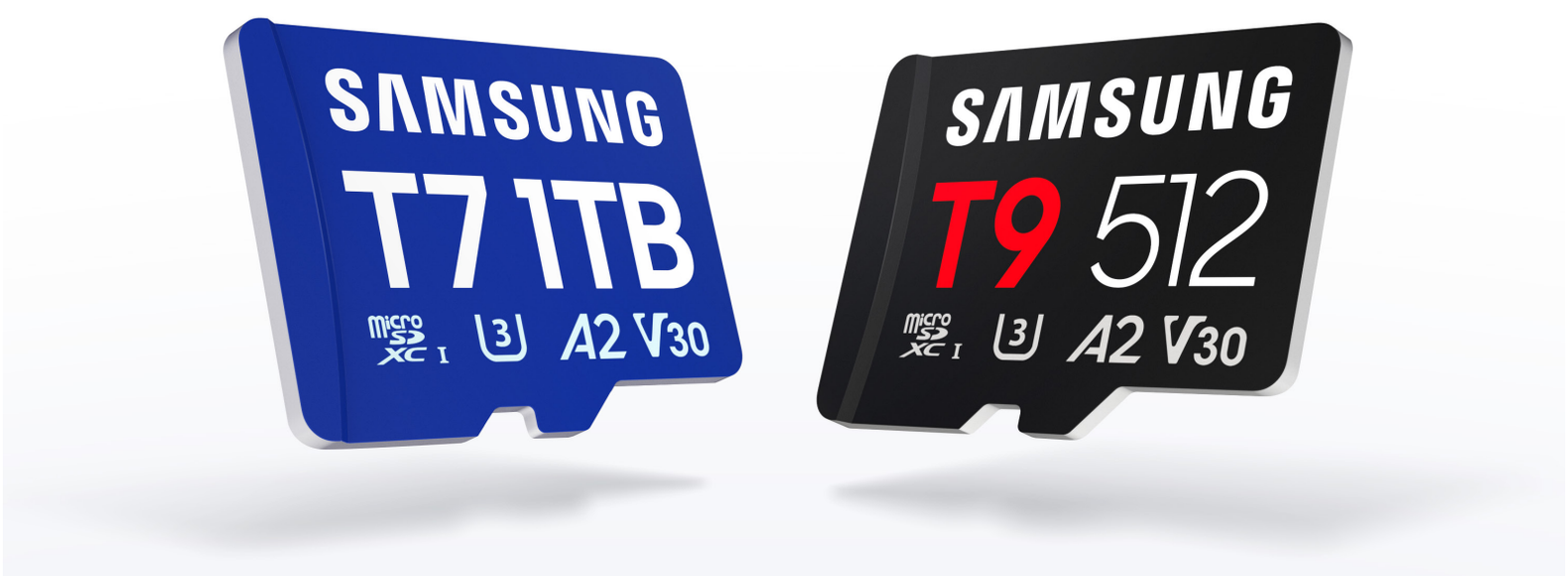
SAMSUNG

T7 | T9 microSD Card



Ready for Everything

As a world leader in flash memory technology, Samsung brings memory card solutions that match your storage needs. Reliable performance, excellent compatibility, and multi-proof durability make these cards the perfect choice for smartphones, tablets, action camera, drone, handheld game consoles and more.

Key Advantages

Video Quality
Capture seamless 4K UHD videos & transfer faster

App performance
Faster app and game performance with A2

Capacity
Available from 128GB to 1TB
T7 microSD Card

Durability
6-proof protection for peace of mind

Warranty
3-year limited warranty

Compatible Devices

Mobile phone · Tablet · Action Camera · Drone · 360° Camera · Laptop · Handheld Game Console · etc.

Capacity by Media type

T7 microSD Card

	4K UHD Video [1]	FULL HD Video [2]	4K UHD Photos [3]	FULL HD Photos [4]
1TB	47.1 Hrs	159.7 Hrs	437,298 Photos	654,480 Photos
512GB	23.6 Hrs	80 Hrs	208,738 Photos	299,661 Photos
256GB	11.8 Hrs	40 Hrs	100,714 Photos	154,896 Photos
128GB	5.9 Hrs	20 Hrs	51,633 Photos	79,644 Photos

*Test Device : Samsung Galaxy Note 20 Ultra for microSD Products
1) 4K UHD Video (3,840*2,160) 30fps (Avg. Video size 30Min 10.25 GB) 2) Full HD Video (1,920*1,080) 30fps (Avg. Video size 30Min 2.98 GB)
3) 4K UHD Image 4,000*3,000 (Avg. Picture size 2.33 MB) 4) Full HD Image 4,000*1,868 (Avg. Picture size 1.56 MB)

T9 microSD Card

	4K UHD Video [1]	FULL HD Video [2]	4K UHD Photos [3]	FULL HD Photos [4]
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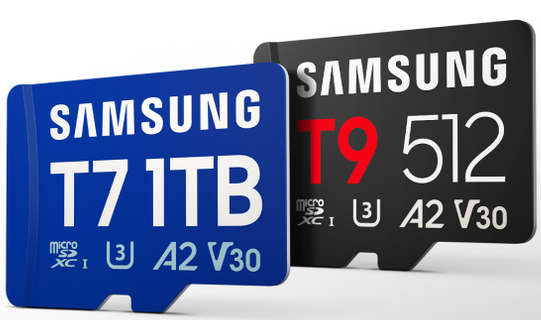
6-proof Durability



- Water [1] proof
- Temperature [2] proof
- X-ray [3] proof
- Magnet [4] proof
- Drop [5] proof
- Wearout [6] proof

1) Water proof: withstand up to 72 hours in the up to 1 meters depth 3% NaCl salt water 2) Temperature proof: operating temperatures of -25°C to 85°C; non-operating temperatures of -40°C to 85°C
3) X-Ray proof: up to 100mGy (equivalent to exposure from airport X-ray machines), 210 secs 4) Magnetic proof: up to 15,000 gauss (magnetic field equivalent of a high-field MRI), 30 secs
5) Drop proof: withstand drops up to 5 meters (16.4 feet), 10 cycles 6) Wearout proof: up to 10,000 swipes

Specifications

Line up	T9 microSD Card			T7 microSD Card			
Capacity[1]	512GB	256GB	128GB	1TB	512GB	256GB	128GB
Form factor	microSDXC™						
Interface	UHS-I SDR104[2] / UHS-I DDR200[3] with Samsung microSD Reader						
Speed Class	U3, V30[4] , A2[5] , Class 10			U3, V30[4] , A2[5] , Class 10			
Read speed[6]	Up to 200 MB/s			Up to 170 MB/s			
Write speed	Up to 130 MB/s						
Certification	FCC (IC), CE (UKCA), VCCI, RCM						
Warranty[7]	Limited 3-year warranty						

1) 1GB=1,000,000,000 bytes. Actual usable storage capacity may vary. User capacity measured with SD Formatter 3.1 tool with FAT file system.
2) 1.8V Signaling, Frequency up to 208 MHz, up to 104MB/sec, Max. Current Consumption 800mA (varies by test conditions)
3) 1.8V Signaling, Frequency up to 208 MHz, up to 200MB/sec, Max. Current Consumption 800mA (varies by test conditions)
4) Video Speed Class means sustained video capture rates of 30MB/s(V30) which enable to support real-time video recording to UHS Bus interface products. Transfer speeds may vary by host device.
5) Application Performance Class means Min. Random Read 4000 IOPS(A2), Random Write 2000 IOPS(A2), and Sustained Seq. Write 10MB/s(A1,A2), which makes app performance faster. Performances may vary by host device.
6) (T7 microSD Card)
Performance results are based on internal testing conditions. Stated performance was achieved by using Samsung microSD Card T7 with Samsung microSD Card Reader (ver 3.0) in a controlled environment.
Actual read/write speeds may vary depending on user environment. (T9 microSD Card) Performance results are based on internal testing conditions. Stated performance was achieved by using Samsung microSD Card T9 with Samsung microSD Card Reader (ver 3.0) in a controlled environment. Actual read/write speeds may vary depending on user environment.
7) Warranties provided herein do not extend to any use of the product for or with continuous recording instruments or any other write-intensive devices, including without limitation security cameras, surveillance systems, dashboard cameras, blackbox cameras, internet protocol/network cameras, continuous recording set top box devices and continuous data logging devices like servers, dedicated devices for benchmarking test, the primary drive for certain devices and any other excessive uses.