

# Memory Cards - What Does Class Mean?

When purchasing memory cards, consumers are typically faced with the challenge of determining what class of card they need. Memory card class comes down to 2 basic components, speed and application.

The speed rate specifications for memory cards were established based on the needs of movie and video companies. Video recording requires certain writing speeds when recording the data onto an SD card.

Speed Class Rating is the official unit of speed measurement for SD Cards as defined by the SD Association. The SD Association establishes specifications that rate the minimum data transfer in SD and SDHC memory cards and host products. Certain speeds then correlate to the applications for which a card is used. Generally, manufacturers suggest a card type and class based on the types of files an electronic device uses and/or creates.

(password protection)

Under former SD specification 2.0, the highest speed class rating was Class 6. However, under the recently released SD specification, a new higher speed class was created (Class 10) for operation under High Speed Mode in newer devices. The Verbatim Premium line of SDHC Cards which were rated Class 6 under the former spec are now rated Class 10 under the new spec, ensuring the highest level of performance available in the market.

## CLASS 2

Minimum	2MB/sec (guaranteed writing speed)
Applications	H.264 video recording, MPEG-4, MPEG-2 video recording, snapshots, SD video

## CLASS 4

Minimum	4MB/sec (guaranteed writing speed)
Applications	MPEG-2 (HDTV) video recording, DSC consecutive shooting, DSLR, HD video

## CLASS 6

Minimum	6MB/sec (guaranteed writing speed)
Applications	Mega-pixel DSC consecutive shooting, professional video camera HD, full HD video

## CLASS 10

Minimum	10MB/sec (guaranteed writing speed)
Applications	Full HD video recording, HD still consecutive shooting



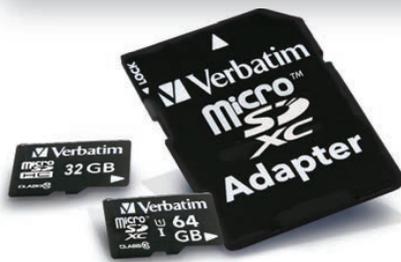
# Premium Class 10 micro Cards

Verbatim Premium micro SDHC and SDXC memory cards have the highest class rating available for memory cards today - Class 10. These Premium cards provide superior performance for high-end devices with fast transfer rates, allowing you to capture every moment with your mobile phone or other SDHC compatible device. Verbatim's Premium memory cards are ideal for HD video recording and high megapixel digital photography.

Get the ultimate in storage and speed with micro SDXC UHS-I cards! UHS-I (Ultra High-Speed bus) rated, Verbatim's micro SDXC Class 10 cards provide optimal performance for professional and high-end devices. All Verbatim Memory Cards are fully backed with a Limited Lifetime Warranty.



Simulation



CLASS 10 Cards	
44082	16GB micro SDHC Card - Class 10
44083	32GB micro SDHC Card - Class 10
44042	64GB micro SDXC Card UHS-I - Class 10

## Memory Card Capacity Chart

How much will my Memory Card hold?	2GB	4GB	8GB	16GB	32GB	64GB
Videos (6Mbps, Hrs.) 	.75	1.5	3	6	12	24
Photos (10MP JPEG) 	650	1,300	2,600	5,200	10,400	20,800
Songs (MP3) 	500	1,000	2,000	4,000	8,000	16,000

\*Approximate picture, song or video storage based on typical file sizes (3 MB/image, 4 MB/song, 6Mbps/video); will vary by device.

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