

Capture All the Scenes in Your Memory

Apacer SD 3.0 UHS-I card series presents new generation of mobile memory. By complying with SD System Specification version 3.0 and the latest UHS-I (Ultra High Speed – I) standard, the mobile storage cards are becoming even faster in data transfer and larger in capacities. The SD cards are highly suitable for photography and video shooting where speed and capacities are critical for high-definition files.



The UHS standard is a recently announced standard by the SD specification association aimed at storing and sharing of 4K , 3D and Ultra HD Shooting. Besides a speed boost, Apacer SD 3.0 UHS-I series comes in various capacities, offering the right memory space for precious pictures and videos.

Users shall take advantages of this latest selection to capture all the scenes in memory.



Applications

- Digital cameras
- Camcorders
- Single-Lens digital cameras
- Other devices with SD slot

Features:

- Supports SD System Specification Version 3.0
- Supports SDHC up to 32 GB;
SDXC up to 2 TB;
- UHS-I: Ultra High Speed-I 
(minimum transfer speed over 30MB/s), ideal for 4K , 3D & Ultra HD Shooting
- UHS-I: Ultra High Speed-I 
(minimum transfer speed over 10MB/s), ideal for 3D & Full HD
- Applicable for digital cameras, single lens digital cameras, camcorders, and other devices with SD card slot.
- Write Protect mechanical switch
- ECC

General Product Specifications

Specifications		
Interface	SD Specification Version 3.0	
Interface speed	UHS-I	 (Indicate Speed Class 3 on UHS-I Interface)
	UHS-I	 (Indicate Speed Class 1 on UHS-I Interface)
	Class 10 (Indicate SD Speed Class when used with a device that does not support UHS Interface)	
Capacity*	8GB-128GB	
Form Factor	SDHC or SDXC	
Protection	Write Protect mechanical switch	
Operating Voltage	2.7V to 3.6V	
Dimensions	(L)32 x (W)24 x (H)2.1 mm	
Temperature	Operating	-25°C to 85°C
	Storage	-40°C to 85°C
Humidity	Operating: RH 93% under 25°C	
	Non-operating: RH 93% under 40°C	
Drop test**	1.5m free fall	
Torque test**	0.15N-m or ±2.5 degrees	
Switch Cycles test	Slide 0.4N to 5N	
Warranty	Limited product lifetime warranty	
Certifications	RoHS, CE, FCC, VCCI, RCM	

*Unformatted. Theoretically, 1GB=1,000,000,000 Bytes. Under operating systems, the capacity might appear to be less than the theoretical capacity because the calculation in OS is based on 1 GB = 1024 MB / 1MB =1024KB and a minority of the capacity is reserved for maintenance purposes.

**Drop test and Torque test results are subject to change without notice

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Apacer
Access the best

0.75

+0.08
1.25 -0.07

90°

±5°

2-R0.2MAX.

Note 10.

Detail L

0.75

6° MAX

6° MAX

Detail J Note 4.

Space of PCB and Card Case

0 MIN.
Note 5 & 6.

1.40 ±0.15

2-11° MAX.

R0.30

0.20 ±0.20

0.10MAX.

Detail I

CONTACT PAD area thickness

+0.2
1.40 -0.1
Note 6, 6.7.

0.02MAX.

(Note 9)

0.70

22.50

0.00
-0.10

0.2

0.60

0.70

1.40 ±0.15

2.10 ±0.15

4-R0.30

Card Body Corner

8.125

6x2.5=15.00

4.0

2-R0.50 ±0.10

11.50

10.30

7.95MIN.

7.65MIN.

4.5

5.65MIN.

5.95MIN.

7.80

6.70

32.00 ±0.10

24.00 ±0.10

3-R1.00 ±0.10

2-R0.50

2-R0.30

2-R0.30

General Tolerance ±0.15

Ordering Information

Speed	Capacity	P/N
UHS-I U1 Class10	8GB	AP8GSDHC10U1-X
	16GB	AP16GSDHC10U1-X
	32GB	AP32GSDHC10U1-X
	64GB	AP64GSDXC10U1-X
UHS-I U3 Class10 R/W: 95/45MB/s	16GB	AP16GSDHC10U3-X
	32GB	AP32GSDHC10U3-X
	64GB	AP64GSDXC10U3-X
UHS-I U3 Class10 R/W: 95/85 MB/s	32GB	AP32GSDHC10U4-X
	64GB	AP64GSDXC10U4-X
	128GB	AP128GSDXC10U4-X

Revision History

Version	Description	Date
0.1	Preliminary release	06/14/2013
0.2	Added Class X as speed class	06/24/2013
0.3	Defined interface speed class as Class 10 Added ECC in Features	06/26/2013
0.4	Updated the address of Taiwan headquarter	10/14/2013
0.5	Revised features and General Product Specifications	11/06/2014
0.6	Revised features, Specifications and PN	03/11/2015
0.7	Revised Capacity	06/24/2015
0.8	Added certifications	07/14/2016
0.9	Revised certifications and temperature	11/24/2017

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