



SDHC microSD Card Product Specification



Code Information

SP XXXXX STH XXX VXX-XX
 A B C D E

A - 【SP】 Silicon-Power Product

B - 【Capacity】 004GB、008GB、016GB、032GB

C - 【SD Version】 STH : microSD 2.01

D - 【Speed Class】 002、004、006、010

E - 【Product Version】

V10 : Standard SDHC microSD Card

V10-SP : With SD Adaptor

V30 : With SD & miniSD Adaptor

Part Number

Class 2	Class 4	Class 6	Class 10
SP004GBSTH002V10	SP004GBSTH004V10	SP004GBSTH006V10	SP004GBSTH010V10
SP008GBSTH002V10	SP008GBSTH004V10	SP008GBSTH006V10	SP008GBSTH010V10
SP016GBSTH002V10	SP016GBSTH004V10	SP016GBSTH006V10	SP016GBSTH010V10
SP004GBSTH002V10-SP	SP032GBSTH004V10	SP004GBSTH006V10-SP	SP004GBSTH010V10-SP

SP008GBSTH002V10-SP	SP004GBSTH004V10-SP	SP008GBSTH006V10-SP	SP008GBSTH010V10-SP
SP016GBSTH002V10-SP	SP008GBSTH004V10-SP	SP016GBSTH006V10-SP	SP016GBSTH010V10-SP
SP004GBSTH002V30	SP016GBSTH004V10-SP	SP004GBSTH006V30	SP004GBSTH010V30
SP008GBSTH002V30	SP032GBSTH004V10-SP	SP008GBSTH006V30	SP008GBSTH010V30
SP016GBSTH002V30	SP004GBSTH004V30	SP016GBSTH006V30	SP016GBSTH010V30
	SP008GBSTH004V30		
	SP016GBSTH004V30		
	SP032GBSTH004V30		

Standardized – Complies with the SD Card Association card specifications
 Standardized with copyright protection: CPRM (Content Protection for Recordable Media)

 Security complies with Secure Digital Music Initiative (SDMI)

Interface		SD / SPI		
Number of Pins		8		
Dimension		15±0.1(L) x 11±0.1(W) x 1±0.1(H) mm		
Weight		0.6 g.		
Power Requirement		Min.	Max.	Unit
Voltage		2.7	3.6	V
Environment Specification				
Temperature	Operating	0°C~70°C		
	Storage	-25°C~85°C		
Humidity	Operating	8% to 95%		
	Non-operating	8% to 93%		
Vibration	Operating	15 G peak-to-peak max		
	Non-operating	15 G peak-to-peak max		
Shock		1000 G max		
Material				
PCB		FR-4		
SD lid		PC+ABS		
Switch		POM		
Reliability				
Insertions		10,000 times		
Data Retention		10 Years		
Features				
<ul style="list-style-type: none"> ● Compliant SDA Specification Ver.1.00 / Ver.2.01. ● Built-in Error Correcting Code (ECC) to detect and correct transfer errors. ● Support wear-leveling algorithm. 				