



High Capacity SD Memory Card Product Specification



Code Information

SP XXXXX SDH XXX V10
A B C D E

- A - **【SP】** Silicon-Power Product
- B - **【Capacity】** 004GB、008GB、016GB、032GB
- C - **【SD Version】** SDH：SD 2.00
- D - **【Speed Class】** 002、004、006、010
- E - **【Product Version】** V10：Standard SDHC

Part Number

Class 2	Class 4	Class 6	Class 10
SP004GBSDH002V10	SP004GBSDH004V10	SP004GBSDH006V10	SP004GBSDH010V10
SP008GBSDH002V10	SP008GBSDH004V10	SP008GBSDH006V10	SP008GBSDH010V10
SP016GBSDH002V10	SP016GBSDH004V10	SP016GBSDH006V10	SP016GBSDH010V10
	SP032GBSDH004V10	SP032GBSDH006V10	SP032GBSDH010V10

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	9
Dimension	32±0.1(L) x 24±0.1(W) x 2.1±0.15(H) mm
Weight	2.0 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

- Compliant SDA Specification Ver.1.10 / Ver.2.0.
- Built-in Error Correcting Code (ECC) to detect and correct transfer errors.
- Support wear-leveling algorithm.