

microSD Memory Card

High speed random access SD Card S Series Fixed-Main-Parts SD Card K Series



Package view

Developed for implementation in industrial devices. The microSD cards have a graspable product lifetime.

Product features

High speed random access

Writing efficiency for small size data is increased, and random access becomes greatly faster.

• Enhanced Electrical Shut Down Durability

Even if control information were to be damaged from a power shut down, the backed up control informat ion will self-repair the logical and physical conversion table by re-building the memory control information so the device will boot up.

Speed Stability

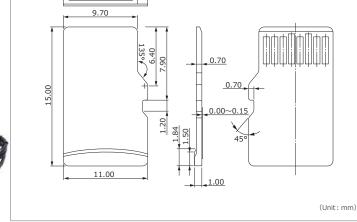
The S Series, the memory management method is specialized for Random Access , which guarantees consistent performance even after extensive use.

• Lifespan Diagnosis Support

We have developed a lifespan diagnostic tool dedicated to SD memory cards which allows our customers to check the state of the SD memory card in their environment setting.

*Only available for the Windows operating system.

Our exclusive reader/writer is required for lifespan diagnos-is.



Exclusive Card Reader for Lifespan Diagnosi Prod uct M odel C ode: HPC-SDR1AD



Static wear leveling Frefresh Function Oral Read retry Function Power loss guard Function Off line scan Africal specifications Research Refresh Function Proceeding Proceding Proceeding Proceeding Proceding Proceeding Pr











Product Specific		S series	K series				
Fla	SLC	Q-MLC	MLC	SLC	MLC		
	1GB~8GB	4GB∼32GB	8GB~64GB	128MB,512MB~2GB	2GB~32GB		
i	SD 3.0						
Power St	2.7V~3.6V						
Operating temperature	Wide temperature	-40℃~85℃	-25℃	~85℃	-25℃~85℃		
Storag	-40℃~85℃						
Opera	~95% (non condensing)						
Stora	~95% (non condensing)						
Dimer	11 × 15 × 1						
	Sequential read (MB/s)	[UHS-1] 30	[UHS-1] 80	[UHS-1] 86	20	[UHS-1] 85	
Performance	Sequential write (MB/s)	[UHS-1] 27	[UHS-1] 72	[UHS-1] 76	18	[UHS-1] 43	
	Random read (IOPS)	-	-	-	-	-	
	Random write (IOPS)	-	-	-	-	-	
Current consumption (mA)	Read (Max)	90	135	190	60	105	
	Write (Max)	120	125	150	90	115	
War	1year						

Product lineup

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S series		128MB	512MB	1GB	2GB	4GB	8GB	16GB	32GB	64GB	
SLC	-40∼85℃	-	-	MSD6-001GS (***SDI	MSD6-002GS (***SDI	MSDB-004GS (***SDI	MSDB-008GS (***SDI	-	-	-	
Q-MLC	-25~85℃	-	-	-	-	MSDB-004GS (N**QZS	MSDB-008GS (N**QZS	MSDB-016GS (N**QZS	MSDB-032GS (N**QZS	-	
MLC	-25~85℃	-	-	-	-	-	MSDB-008GS (N**MZS	MSDB-016GS (N**MZS	MSDB-032GS (N**MZS	MSDB-064GS (N**MZS	
K series		128MB	512MB	1GB	2GB	4GB	8GB	16GB	32GB	64GB	
SLC	-25~85℃	MSD2-128MK (L**SEI	MSD6-512MK (L**SEI	MSD6-001GK (L**SEI	MSD6-002GK (L**SEI	-	-	-	-	-	
MLC	-25~85℃	-	-	-	MSD6-002GK (L**MHI	MSDB-004GK (L**MHI	MSDB-008GK (L**MHI	MSDB-016GK (L**MHI	MSDB-032GK (L**MHI	-	

^{*} management number

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