



Medical Solutions

SD Cards for Medical Image Storages

SLC 	MLC 	Q-MLC 	-40~85°C 	Static wear leveling 	Live Monitor 	
Made in Japan 	Long Term Supply 	Power failure Protection 	Refresh 	Fixed spec 	RoHS 	

What you do

- Develop for a long time
- Supply the products for a long time
- Worry about data corruption & SD cards unrecognition.
- Count program-erase cycle via the medical equipment

What we offer

- SLC SD cards for the long term supply
- SD cards with power failure protection
- SD cards with P/E cycle monitoring function

Products lines

■ Fixed BOM models

Product		S Series				H Series							
NAND		MLC	Q-MLC	SLC		MLC		Q-MLC		SLC			
Class		10	10	6	10	4		4		6		6	
Capacity		8 to 256GB	4 to 128GB	512MB to 2GB	4 to 32GB	4 to 64GB		4 to 32GB		512MB to 2GB		4 to 16GB	
Temperature		-25 to 85°C	-25 to 85°C	-40 to 85°C	-40 to 85°C	0 to 70°C	-25 to 85°C	0 to 70°C	-25 to 85°C	0 to 70°C	-40 to 85°C	0 to 70°C	-40 to 85°C
Part number		NSDB-XXXGS(N**M)*S	NSDB-XXXGS(N**Q)*S	NSD6-XXXS(P**SEI)	NSDB-0XXXGS(N**SEI)	NSD4-XXXGH(B**MH)	NSD4-XXXGH(B**MHS)	NSD4-XXXGH(B**QH)	NSD4-XXXGH(B**QHS)	NSD6-XXXH(A**SD)	NSD6-XXXH(A**SDI)	NSD6-XXXGH(B**SE)	NSD6-XXXGH(B**SEI)
Operating Voltage		2.7~3.6V											
Dimensions(mm)		24(W) x 32(L) x 2.1(H)											
Transfer Speed (Typ.)	READ (non-UHS)	-	-	19	-	21		21		20		20	
	WRITE (non-UHS)	-	-	15	-	19		19		12		16	
Sequential Read/Write MB/s	READ (UHS)	89	90	-	89	73		74		-		33	
	WRITE (UHS)	73	80	-	70	42		63		-		27	
Static Wear Leveling		Yes											
Power failure protection function		Yes											
Refresh function		Yes											
Write Protect		Yes											
Fixed Specification		Yes(Fixed BOM)											
RoHS		Yes											
Lifetime diagnosis		Yes (Dedicated tool support)					Yes (Send back)						
Environmental documents		Yes											

■ Fixed Main Parts models

Product		K Series							
NAND		MLC		SLC				TLC	
Class		6	10	2		6	10		10
Capacity		2GB	4 to 128GB	128MB		1 to 2GB	4 to 16GB		16 to 256GB
Temperature		-25 to 85°C	-25 to 85°C	-25 to 85°C	-40 to 85°C	-25 to 85°C	-25 to 85°C	-40 to 85°C	-25 to 85°C
Part number		NSD6-xxxGK(L**MHI)	NSDB-xxxGK(L**MHI)	NSD2-128MK(L00SEI)	NSD6-xxxK(L00SEZ)	NSD6-xxxK(L00SEI)	NSDB-xxxGK(L00SEI)	NSDB-xxxGK(L00SEZ)	NSDB-xxxGK(R00TJS)
Operating Voltage		2.7~3.6V							
Dimensions(mm)		24(W) x 32(L) x 2.1(H)							
Transfer Speed (Typ.)	READ (non-UHS)	21	-	19		19	19		-
	WRITE (non-UHS)	20	-	18		18	18		-
Sequential Read/Write MB/s	READ (UHS)	-	90	88		88	88		86
	WRITE (UHS)	-	63	79		79	79		29
Static Wear Leveling		Yes							
Power failure protection function		Yes							
Refresh function		Yes							
Write Protect		Yes							
Fixed Specification		Yes (Main parts)							
RoHS		Yes							
Lifetime diagnosis		Yes (Dedicated tool support)							



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■ Partner: