




REMOVABLE FLASH MEMORY (→) STORAGE SOLUTIONS

A Global Leader in Flash Memory
Storage Solutions




microSD™ Cards

Product	SANDISK® CL QD101 microSD™ Card	SANDISK® CL QD301 microSD™ Card	SANDISK® CL QD501 microSD™ Card	SANDISK® IX QD342 3D microSD™ Card	SANDISK® VD QD111 microSD™ Card	SANDISK® VD QD131 microSD™ Card
	Commercial	Commercial	Commercial	Industrial	Video	Video
Grade	Commercial	Commercial	Commercial	Industrial	Video	Video
Specification	Speed Class C4	Speed Class C10, U1, A1	Speed Class C10, V30, U3, A2	Speed Class U1, U3 ⁵ , A1	Speed Class C10, U1	Speed Class U1, C10, V10, A1
Capacity ¹	16GB to 64GB	16GB to 1.5TB	32GB to 2TB	16GB to 256GB	32GB to 128GB	256GB to 1.5TB
Interface	SD 3.01 UHS-I 150	SD 3.01, SD 5.1 UHS-I 104	SD 6.0 UHS-I 104	SD 6.0 UHS-I 104	SD 6.0 UHS-I 104	
Operating Temp	-25° to 85° C					
Performance Sequential R/W ²	Up to 20/5 MB/s	Up to 95/10 MB/s	Up to 170/100 MB/s	Up to 100/50 MB/s	Up to 100/20 MB/s	Up to 160/18 MB/s
Endurance ³		—		Up to 768 TBW	Up to 64 TBW	Up to 1500 TBW
Health Status Register		—			Y	
Host Lock		—			Y	
Programmable String/ID		—			Y	
Secure FFU		—			Y	
Auto/Manual Read Refresh		—		Y	—	Auto Read Refresh
Warranty	Varies by Region			2 years	3 years	
OPN/SKU	SDSQAB-###G	SDSQAD-###G	SDSQAE-###G	SDSQAF4-###G-I	SDSQAS4-###G	SDSQAS5-###G SDSQAS5-1T00 SDSQAS5-1T50



SD Cards

Product	SANDISK® CL LD101 SD Card	SANDISK® CL LD301 SD Card	SANDISK® CL LD501 SD Card	SANDISK® IX LD342 3D Tech SD Card
	Commercial	Commercial	Commercial	Industrial
Grade	Commercial	Commercial	Commercial	Industrial
Specification	Speed Class C4	Speed Class C10, U1	Speed Class C10, U3, V30	Speed Class U1, U3 ⁵
Capacity ¹	16GB to 32GB	16GB to 512GB	32GB to 2TB	16GB to 512GB
Interface	SD 3.01 UHS-I 50	SD 5.1 UHS-I 104	SD 6.0 UHS-I 104	
Operating Temp	-25° to 85° C			
Performance Sequential R/W ²	Up to 20/5 MB/s	Up to 80/10 MB/s	Up to 90/60 MB/s	Up to 100/50 MB/s
Endurance ³		—		Up to 1,536 TBW
Health Status Register		—		Y
Host Lock		—		Y
Programmable String/ID		—		Y
Secure FFU		—		Y
Auto/Manual Read Refresh		—		Y
Warranty		Varies by Region		2 years
OPN/SKU	SDSDAA-###G	SDSDAD-###G	SDSDAE-###G	SDSDAF4-###G-I

1. 1 gigabyte (GB) = 1 billion bytes.
 2. Based on Sandisk internal testing, read and write speed may vary depending on read/write conditions. 1 megabyte (MB) = 1 million bytes.
 3. Endurance values depend on capacity.
 4. Automotive SD card is sold without a label.
 5. U3 is available on 128GB, 256GB and 512GB configurations.

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