SANDISK™

REMOVABLE FLASH MEMORY (→) STORAGE SOLUTIONS

A Global Leader in Flash Memory Storage Solutions

microSD™ Cards

Product	SANDISK® CL QD301 microSD™ Card	SANDISK® CL QD501 microSD™ Card	SANDISK® IX QD342 microSD™ Card	SANDISK® VD QD111 microSD™ Card	SANDISK® VD QD131 microSD™ Card
Grade	**Commercial**	**Commercial**	**Industrial**	**Video**	**Video**
Specification	Speed Class C10, U1, A1[7]	Speed Class C10, V30, U3[5], A2[7]	Speed Class U1, U3[5], A1[7]	Speed Class C10, U1	Speed Class U1, C10, V10, A1[7]
Capacity[1]	64GB to 1.5TB	128GB to 2TB	16GB to 256GB	32GB to 128GB	256GB to 1.5TB
Interface	SD 5.1, SD6.0 UHS-I 104	SD 6.0 UHS-I 104	SD 6.0 UHS-I 104	SD 6.0 UHS-I 104	
Operating Temp	-25° C to 85° C				
Performance Sequential R/W[2]	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
Limited Warranty[6]	Varies by Region		2 years	3 years	3 years
OPN/SKU	SDSDQAD-###G SDSDQAD-1T00 SDSDQAD-1T50	SDSDQAE-###G SDSDQAE-1T00 SDSDQAE-2T00	SDSDQAF4-###G-I	SDSDQAS4-###G	SDSDQAS5-###G SDSDQAS5–1T00 SDSDQAS5–1T50

SD Cards

Product	SANDISK® CL LD301 SD Card	SANDISK® CL LD501 SD Card	SANDISK® IX LD342 SD Card
Grade	**Commercial**	**Commercial**	**Industrial**
Specification	Speed Class C10, U1	Speed Class C10, U3[5], V30	Speed Class U1, U3[5]
Capacity[1]	64GB to 512GB	128GB to 2TB	16GB to 512GB
Interface	SD 5.1, SD6.0 UHS-I 104	SD 6.0 UHS-I 104	
Operating Temp	-25° C to 85° C		
Performance Sequential R/W[2]	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
Limited Warranty[6]	Varies by Region		2 years
OPN/SKU	SDSDAD-###G	SDSDAE-###G SDSDAE-1T00 SDSDAE-2T00	SDSDAF4-###G-I

1. 1 GB = 1 billion bytes and 1TB = 1 trillion bytes. Actual user capacity may be less depending on operating environment.
2. Speeds vary by product and capacity. 1 MB/s = 1 million bytes per second. Based on internal testing; performance may vary depending upon host device, usage conditions, drive capacity, and other factors.
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.
6. See sandisk.com/support for regional specific warranty details.
7. A1 performance is 1500 read IOPS, 500 write IOPS. A2 performance is 4000 read IOPS, 2000 write IOPS. Results may vary based on host device, app type and other factors.

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