SD/micro SD

Innodisk SD and microSD cards are single-level flash devices built for rugged applications in the embedded field. As an industrial-grade SD/microSD card, these cards deliver outstanding performance of up to 54MB per second as well as excellent endurance and reliability, especially compared to other cards used in the mobile market. The Innodisk SD and microSD cards are compatible with SD 2.0 /SD 3.0 standards and support SDHC Class 10(UHS-I). They also feature SMART technology, which monitors the reliability of these SD cards.

Model Name	Industrial micro SD Card	MicroSD 3ME2	Industrial SD Card	Industrial SD Card 3ME3
Key Features	Enhanced power cycling management	1. Support Class 10 with UHS-I 2. High performance 3. SPI mode supported	1. Designed for industrial applications 2. High reliability 3. Customizeable 4. Power fail mangement 5. AES (Optional)	1. High performance 2. Power fail management 3. BCH ECC implement
Interface	SD 1.01/2.0	SD 3.0	SD 3.0	SD 3.0
Flash Type	SLC	MLC	SLC/iSLC/MLC	MLC
Capacity	1GB~8GB	8GB~64GB	SLC: 128MB~32GB iSLC: 8GB~64GB MLC: 8GB~128GB	8GB~128GB
Max. Channel	1	1	1	1
Sequential R/W (MB/sec, max.)	20/16	76/32	SLC: 23/21 iSLC: 61/36 MLC: 54/18	80/46
Max. Power Consumption	0.17W (3.3V x 50mA)	0.7W (3.3V x 219mA)	0.22W (3.3V x 69mA)(SLC) 0.34W (3.3V x 105mA)(MLC)	0.56W (3.6V x 158mA)
S.M.A.R.T	Y	Y	Y	Y
Dimension (WxLxH/mm)	11.0 x 15.0 x 1.0	11.0 x 15.0 x 1.0	24.0 x 32.0 x 2.1	24.0 x 32.0 x 2.1
Environment	Vibration: 20G@7~2000Hz/Shock: 1500G@0.5ms/Storage Temperature: -55°C ~ +95°C/MTBF: >3 million hours			
Standard Temp. OP (-20°C~+85°C)	DS2M-XXXI81AC***	DESDM-XXXE21SEASK	DESDC-XXXY81%C*** DHSDC-XXXY81%C***(iSLC)	DESDC-XXXS02BC***
Wide emp. OP (-40°C~+85°C)	DS2M-XXXI81AW***	NA	DESDC-XXXY81%W*** DHSDC-XXXY81%W***(iSLC)	DESDC-XXXS02BW***
Note	XXX = density (02GB=02G, 04GB=04G, 08GB=08G) *** = flash configuration (internal control code) %=Flash Type			