

PRODUCT BRIEF | SD/microSD

SD & microSD

Viking Technology Secure Digital Cards (SD) and microSD cards are powerful, highest capacity memory card that delivers maximum speed for performance, reliability, and security to the most demanding of embedded solutions. These removeable cards are optimized for the embedded market with high-shock tolerance, high-temperature configurations, and ruggedization for extreme environments.

FEATURES

- ▶ Capacities up to 128GB
- ▶ Superior wear leveling
- ▶ High Performance
- ▶ SD Security specs v. 2.0
- ▶ Mechanical write protection switch
- ▶ Supports commercial and industrial temperature

APPLICATIONS SERVED

Removed Storage	Industrial Temperature	Available in SLC Configuration
Medical-Grade	Conformal Coated Option	Ultra-Small Form Factor



SD & microSD

CAPACITY	
MLC/SLC	8GB to 128GB
PERFORMANCE	
Sequential Read	Up to 270MB/s
Sequential Write	Up to 250MB/s

ENVIRONMENTAL	
Shock	1000G (0.5ms), 50G (2ms)
Vibration	2.16 grams (5 ~ 700Hz) – 3 axis
Operating Temp	25°C to 85°C (Industrial) 0°C to -70°C (Commercial)
Altitude	80,000 ft
Humidity	5% to 95% (operating)

SD/microSD PART NUMBERS

FORM FACTOR	INTERFACE	TEMP	CAPACITY	P/N	CONTROLLER	NAND
SD Card	microSD	0°C to +70°C	32GB	VWUSD032GCEBMML	WD	SanDisk MLC
SD Card	microSD	-25°C to +85°C	32GB	VWUSD032GCE1WW3C	WD	TSB BiCS 3D
SD Card	microSD	0°C to +70°C	32GB	VWUSD032GCE1WW3C	WD	TSB BiCS 3D
SD Card	microSD	0°C to +70°C	8GB	VWFUSD8192CEWWW	WD	TSB BiCS 3D
SD Card	microSD	-25°C to +85°C	256GB	VWFUSD256GCECMWL	WD	SanDisk MLC
SD Card	microSD	-25°C to +85°C	128GB	VWFUSD128GCEZMWL	WD	SanDisk MLC
SD Card	microSD	-25°C to +85°C	64GB	VWFUSD064GCEAMWL	WD	SanDisk MLC
SD Card	Full Size SD	-40°C to +85°C	128GB	VWFSD3128GCIZMWL	WD	SanDisk MLC
SD Card	Full Size SD	-25°C to +85°C	128GB	VWFSD3128GCEZMWL	WD	SanDisk MLC
SD Card	Full Size SD	-40°C to +85°C	64GB	VWFSD3064GCIAMWL	WD	SanDisk MLC
SD Card	Full Size SD	-25°C to +85°C	64GB	VWFSD3064GCEAMWL	WD	SanDisk MLC
SD Card	microSD	-25°C to +85°C	64GB	VAFUSD064GCEAMTL	SMI3268	TSB BiCS 3D
SD Card	microSD	-25°C to +85°C	16GB	VAFUSD016GCEDMTL	PS8210	TSB BiCS 3D
SD Card	Full Size SD	-25°C to +85°C	64GB	VAFSD3064GCC5MTL	SMI3268	SanDisk MLC
SD Card	Full Size SD	-25°C to +85°C	32GB	VAFSD3032GCCBMTL	SMI3268	SanDisk MLC

For a full list of SD and microSD part numbers please contact sales@vikingtechnology.com or visit our website.



Global Locations

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For all of our global locations, visit our website under global locations. For price and availability, please email us at sales@vikingtechnology.com.