



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

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
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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	Full Size SD	0°C to +70°C	128GB	VTSD3128GCCZMTLC	Toshiba	TSB 15nm MLC
SD Card	Full Size SD	0°C to +70°C	128GB	VTSD3128GCCZMTLE	Toshiba	TSB 15nm MLC
SD Card	Full Size SD	0°C to +70°C	64GB	VTSD3064GCCAMTLC	Toshiba	TSB 15nm MLC
SD Card	Full Size SD	0°C to +70°C	64GB	VTSD3064GCCAMTLE	Toshiba	TSB 15nm MLC
SD Card	Full Size SD	0°C to +70°C	32GB	VTSD3032GCCBMTLC	Toshiba	TSB 15nm MLC
SD Card	Full Size SD	0°C to +70°C	32GB	VTSD3032GCCBMTLE	Toshiba	TSB 15nm MLC
SD Card	Full Size SD	-25°C to +85°C	0.5GB	VPFSD30512QI7STH	PS8210	TSB 24nm SLC
SD Card	Full Size SD	-25°C to +85°C	1GB	VPFSD310242QIESTH	PS8210	TSB 24nm SLC
SD Card	Full Size SD	-25°C to +85°C	2GB	VPFSD32048QIFSTH	PS8210	TSB 24nm SLC
SD Card	Full Size SD	-25°C to +85°C	4GB	VPFSD34096QIQSTH	PS8210	TSB 24nm SLC
SD Card	Full Size SD	-25°C to +85°C	8GB	VPFSD38192QIWSTH	PS8210	TSB 24nm SLC
SD Card	microSD	0°C to +70°C	128GB	VTUSD128GCCZMTLC	Toshiba	TSB 15nm MLC
SD Card	microSD	0°C to +70°C	128GB	VTUSD128GCCZMTLE	Toshiba	TSB 15nm MLC
SD Card	microSD	0°C to +70°C	64GB	VTUSD064GCCAMTLC	Toshiba	TSB 15nm MLC
SD Card	microSD	0°C to +70°C	64GB	VTUSD064GCCAMTLE	Toshiba	TSB 15nm MLC
SD Card	microSD	-25°C to +85°C	32GB	VTUSD032GCCBMTLN	Toshiba	TSB 15nm MLC
SD Card	microSD	0°C to +70°C	32GB	VTUSD032GCCBMTLC	Toshiba	TSB 15nm MLC
SD Card	microSD	0°C to +70°C	32GB	VTUSD032GCCBMTLE	Toshiba	TSB 15nm MLC
SD Card	microSD	-25°C to +85°C	16GB	VTUSD016GCCDMLN	Toshiba	TSB 15nm MLC
SD Card	microSD	-25°C to +85°C	8GB	VTUSD008GCCWMTLN	Toshiba	TSB 15nm MLC
SD Card	microSD	-25°C to +85°C	0.5GB	VPFUSD0512QI7STH	PS8210	TSB 24nm SLC
SD Card	microSD	-25°C to +85°C	1GB	VPFUSD10242QIESTH	PS8210	TSB 24nm SLC
SD Card	microSD	-25°C to +85°C	2GB	VPFUSD2048QIFSTH	PS8210	TSB 24nm SLC
SD Card	microSD	-25°C to +85°C	4GB	VPFUSD4096QIQSTH	PS8210	TSB 24nm SLC
SD Card	microSD	-25°C to +85°C	8GB	VPFUSD8192QIWSTH	PS8210	TSB 24nm SLC

For price and availability, please email us at sales@vikingtechnology.com.



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