

PRODUCT BRIEF | SlimSATA, mSATA SSD

SOLID STATE DRIVES

slimSATA & mSATA SSD are solid state drive solutions ideal for space-constrained embedded server & storage systems, telecommunications, automotive, gaming and many industrial applications. Both solutions deliver outstanding performance in a small, industry standard form factor and features intelligent flash management techniques to optimize endurance and wear-leveling. Both drives come in a variety of performance and capacity as well as ruggedization and increased endurance.

FEATURES

- ▶ Available in SATA-III 6Gbs
- ▶ Read intensive & Low cost solution options
- ▶ Max write performance
- ▶ Supports MLC / SLC NAND Configurations
- ▶ Advanced SSD-specific SMART command support
- ▶ Insulation against single NAND supply issues

APPLICATIONS SERVED

Client & Enterprise controller options	Toshiba & Micron MLC	3D NAND options
Power fail protection	Enhanced & Ruggedized storage	Conformal Coated options



SOLID STATE DRIVES

CAPACITY	
MLC	4GB to 64GB
eMLC/MLC/3D NAND	30GB to 1TB

PERFORMANCE	
Random Read	Up to 500 MB/s
Random Write	Up to 350 MB/s
Interface	Up to SATA 6Gb

ENVIRONMENTAL	
Shock	50g, 11ms, 3 shocks applied on 3 perpendicular axis
Vibration	16.4g rms 10 - 2,000 Hz, 3 axis
Operating Temp	0°C to 70°C (Ctemp) -40°C to 85°C (Itemp)
Altitude	80,000 ft
Humidity	5% to 95%, non-condensing, relative
Safety/Agency/Compliance	FCC, CE, TUV

POWER	
Active (Typical)	<2W

DIMENSIONS	
SlimSATA	39.80 (w) x 54.00 (l) x 3.85 (h)
mSATA	29.85 (w) x 50.8 (l) x 3.85 (h)

SlimSATA SSD PART NUMBERS

FORM FACTOR	INTERFACE	TEMP	CAPACITY	P/N	CONTROLLER	NAND
slimSATA	MO297	-40°C to +85°C	960GB	VRFEM1960GEIFWT3	SM2259	TSB BiCS 3D
slimSATA	MO297	-40°C to +85°C	480GB	VRFEM1960GEIFWT3	SM2259	TSB BiCS 3D
slimSATA	MO297	-40°C to +85°C	240GB	VRFEM1960GEIFWT3	SM2259	TSB BiCS 3D
slimSATA	MO297	-40°C to +85°C	120GB	VRFEM1960GEIFWT3	SM2259	TSB BiCS 3D
slimSATA	MO297	-40°C to +85°C	60GB	VRFEM1960GEIFWT3	SM2259	TSB BiCS 3D

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

mSATA PART NUMBERS

FORM FACTOR	INTERFACE	TEMP	CAPACITY	P/N	CONTROLLER	NAND
mSATA	MO300	-40°C to +85°C	960GB	VRFEM2960GEIFWT3	SM2259	TSB BiCS 3D
mSATA	MO300	-40°C to +85°C	480GB	VRFEM2480GEIHWT3	SM2259	TSB BiCS 3D
mSATA	MO300	-40°C to +85°C	240GB	VRFEM2240GEI5WT3	SM2259	TSB BiCS 3D
mSATA	MO300	-40°C to +85°C	120GB	VRFEM2120GEI5WT3	SM2259	TSB BiCS 3D
mSATA	MO300	-40°C to +85°C	60GB	VRFEM2060GEI5WT3	SM2259	TSB BiCS 3D

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



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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.