SATA II 3Gb/s mSATA SSD

- MO-300A Form Factor
- Fully compatible with devices and OS that support the SATA II 3Gb/s standard
- Non-volatile Flash Memory for outstanding data retention
- Built-in ECC (Error Correction Code) functionality and wear-leveling algorithm ensures reliable data transfer
- Advanced Garbage Collection
- Hardware Purge and Write Protect
- Supports Transcend SSD Scope Pro
- Advanced Power Shield

MSA630 Benefits

Enhanced Performance

Applications

Power Consumption		
Model P/N / Power Consumption		Typical (mA)
TS16GMSA630	Read	245
	Write	230
	Idle	170
TS32GMSA630	Read	320
	Write	305
	Idle	170
TS64GMSA630	Read	325
	Write	400
	Idle	180

*Tested with IOmeter running sequential reads/writes and idle mode

Reliability	
Data Reliability	Supports 40 bits per 1024 bytes
MTBF	1,000,000 hours
Endurance (TeraBytes Written) *	16G: 17.0 (TB) 32G: 35.0 (TB) 64G: 76.0 (TB)

*Note: Based on JEDEC JESD218 & 219A specification, Client application class. And based on the following scenario: Active use: 40°C, 8hrs/day; Retention use: 30°C 1year

Vibration	
Operating	3.0G(peak-to-peak), 5 - 800Hz
Non-Operating	5.0G(peak-to-peak), 5 - 800Hz

*Note: Reference to the IEC 60068-2-6 Testing procedures; Operating-Sine wave, 5-800Hz/1 oct., 1.5mm, 3g, 0.5 hr./axis, total 1.5hrs.

Shock	
Operating	1500G, 0.5ms
Non-Operating	1500G, 0.5ms

*Reference to IEC 60068-2-27 Testing procedures; Operating-Half-sine wave, 1500G, 0.5ms, 3 times/dir., total 18 times.

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