

Reliability Report

Industrial Grade 2.5" SSD (128GB to 1TB)



Product Information

Product Name	M.2 2260 SSD
Ordering Information	NSS900K128-IP NSS900K256-IP NSS900K512-IP NSS900K1T0-IP NSS900K128-IT NSS900K256-IT NSS900K512-IT NSS900K1T0-IT NSS900J064-IP NSS900J128-IP NSS900J256-IP NSS900J512-IP NSS900J064-IT NSS900J128-IT NSS900J256-IT NSS900J512-IT
Grade Temperature	Industrial Grade: -40 ~ 85°C

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MTBF

Sample size: 300 pcs

Test conditions: 65°C

Pass/fail criteria: MTBF to 2,500,000 hours

Arrhenius Temperature Accelerated Model (Confidence Level: 60%)					
Parameter	Value	Unit	Parameter	Value	Unit
Ambient Temp. (T2)	308.00	°K	Ambient Temp. (T2)	35	°C
Chamber Temp. (T1)	338.00	°K	Chamber Temp. (T1)	65	°C
Activation Energy (Ea)	0.7	eV	Total Test Time	302,400	hours
Boltzman Constant (K)	0.000086171		Failure Quantity	0	units
Acceleration Factor (A)	10.3903		Test Ratio	0.9163	
MTBF	3,429,037				

Arrhenius Temperature Accelerated Model (Confidence Level: 60%)			
	Quantity	Time	Total
Passed Samples	300	1008	302,400
Failed Samples	0	0	0
Subtotal	0	-	302,400

2.5" Endurance Evaluation

2.5" SSD	JEDEC workload
Capacity (GB)	Endurance (TB)
128GB	Up to 115 TB
256GB	Up to 230 TB
512GB	Up to 450 TB
1024GB	Up to 900 TB

Note: TBW value is derived from JEDEC based on population of SSDs statistics.

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