

E100 Series Consumer Solid State Drive (SSD)

Introduction

The E100 series solid state drive is developed from years of experience and expertise on storage technology and flash memory management. This product is specialized for optimization of computer operating systems and offers stable and fast data service by accelerating startup and performance.



Available Models

HS-SSD-E100/128GB

HS-SSD-E100/256GB

HS-SSD-E100/512GB

HS-SSD-E100/1024GB

Features and Functions

- **High R/W speed**
 - SATA 3.0
 - Read speed up to 560 MB/s
- **3D NAND technology**

3D NAND offers the potential for higher capacity, performance, and stability
- **Vibration resistant structure**

Free of mechanical structure, electronic chip control for better data safety
- **Slim and portable**
 - 2.5-inch
 - 7 mm thick
 - ≤ 45 g



Specifications

Model	HS-SSD-E100				
Capacity	128 GB	256 GB	512 GB	1024 GB	
Max. read speed (MB/S)	550	550	550	560	
Max. write speed (MB/S)	430	450	480	500	
Max. random 4K read IOPS	61K	63K	65K	76K	
Max. random 4K write IOPS	70K	72K	76K	76K	
Form factor	2.5-inch SATA				
Protocol	SATA 6Gb/s				
Dimension (W × H × D)	69.9 × 100.1 × 7.0 mm (2.75 × 3.94 × 0.28 inch)				
MTBF (Mean Time between Failures)	2,000,000 hours				
Power consumption	Idle (max.)	0.35 W	0.37 W	0.48 W	0.48 W
	Reading (max.)	0.96 W	1.15 W	1.65 W	1.66 W
	Writing (max.)	0.98 W	1.2 W	1.8 W	1.8 W
Endurance(TBW)	60TB	120TB	240TB	480TB	
NAND flash memory	3D TLC (Tri-Level Cell)				
Operation temperature	0 °C to 70 °C (32 °F to 158 °F)				
Weight	≤ 45 g				
Warranty period	3 years				

Note: Performance test is performed in a specific testing environment. Any change of computer system, operation system, hardware, software, or functions will influence the test result.

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