

E100I Series Consumer Solid State Drive (SSD)



Introduction

The E100I 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-E100I/128GB

HS-SSD-E100I/256GB

HS-SSD-E100I/512GB

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
 - 43 g



Specifications

Model	HS-SSD-E100I/128GB	HS-SSD-E100I/256GB	HS-SSD-E100I/512GB	
Interface	SATA III 6 Gb/s			
	SATA II 3 Gb/s			
Capacity	128 GB	256 GB	512 GB	
Serial ATA5	ATA-8 ACS2			
	Serial ATA 2.6			
Max. read speed (MB/S)	560	560	560	
Max. write speed (MB/S)	480	510	510	
Max. random 4K read IOPS	50K	70K	75K	
Max. random 4K write IOPS	20K	32K	55K	
Form factor	2.5-inch			
Dimension (W × H × D)	69.9 × 100.1 × 7.0 mm (2.75 × 3.94 × 0.28 inch)			
MTBF (Mean Time between Failures)	1,000,000 hours			
Power consumption	Idle (max.)	0.055 W		
	Reading (max.)	2.25 W	2.07 W	2.21 W
	Writing (max.)	2.51 W	2.51 W	2.95 W
Endurance (TBW)	44 TB	88 TB	176 TB	
NAND flash memory	3D TLC (Tri-Level Cell)			
Operation temperature	0 °C to 70 °C (32 °F to 158 °F)			
Weight	43 g (0.1 lb)			
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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