C100 Consumer Solid State Drive (SSD)

Introduction

The C100 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 Model

HS-SSD-C100/120G
HS-SSD-C100/240G
HS-SSD-C100/480G
HS-SSD-C100/960G
HS-SSD-100/1920G

Features and Functions

- **High R/W speed**
  - ➢ SATA 3.0
  - ➢ Read speed up to 530 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

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Specifications

Model name	HS-SSD-C100				
Capacity	120GB	240GB	480GB	960GB	1920GB
Size	2.5 inch				
Max Seq read	470MB/s	500MB/s	520MB/s	520MB/s	530MB/s
MAX Seq Write	330MB/s	350MB/s	400MB/s	400MB/s	420MB/s
Max. random 4K read IOPS	48K	48K	50K	50K	52K
Max. random 4K write IOPS	28K	28K	30K	30K	30K
Power Consumption READ	1.25W	1.34W	1.67W	1.67W	2.3W
Power Consumption WRITE	1.28W	1.32W	1.64W	1.64W	2.6W
Power Consumption IDLE	0.3W	0.32W	0.38W	0.38W	0.5W
Endurance(TBW)	40TB	80TB	160TB	320TB	640TB
NAND FLASH	3D TLC				
Protocol	SATA 6Gb/s				
Form Factor	2.5 inch SATA				
MTBF (Mean Time between Failures)	2,000,000 hours				
Work Temperature	0-70℃				
Warranty	3 years				
TRIM	yes				

Note: Performance test is performed in a specific testing environment and Based on ATTO Disk Bench Mark . Any change of computer system, operation system, hardware, software, or functions will influence the test result.

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