

HS-SSD-E1000



Introduction

Relying on the security background of Hikvision, we are committed to developing the four major businesses of solid state drives, memory cards, private network disks, and mobile storage, with a sound supply chain system and perfect after-sales process. On the technology side, HS-SSD-E1000 adopts the advanced SSD controller and 3D NAND Flash, and coordinates with HIKVISION’s self-designed NAND Flash management firmware to ensure the read/write speed and data safety.

On the production side, HS-SSD- E1000 adopts the good quality 3D NAND Flash and BGA , and is manufactured by the automatic production line. It has been tested according to the standard of video surveillance server, so that it offers better stability.

HS-SSD- E1000 series SSDs are widely used in personal computers, game consoles and other devices to provide stable services for target systems.

Features

- High R/W Speed PCIe interface

Max. read speed up to 2465 MB/s

- 3D NAND Technology

3D NAND technology helps to develop higher capacity, performance, and stability

- Anti-shock and anti-fall

No mechanical structure, using electronic chip control, data more secure.

- Smart firmware

Through the SSD management tool, support dynamic SLC opening and closing, support OP adjustable, to meet the needs of multiple scenarios.

- Application Field

Applicable to personal computers, laptops, PS4, etc.

Ordering Information

Capacity	Model
128 GB	HS-SSD- E1000
256 GB	HS-SSD- E1000
512 GB	HS-SSD- E1000
1024 GB	HS-SSD- E1000

Note

Please contact the local sales for detailed model information.

Specification

Model	HS-SSD- E1000			
Capacity	128GB	256GB	512 GB	1024 GB
Form Factor	M.2 2280			
Max. Seq. Read	1175 MB/s	2265 MB/s	2465 MB/s	2460 MB/s
Max. Seq. Write	700 MB/s	1350 MB/s	2410 MB/s	2475 MB/s
Max. Ran 4 K Read (IOPS)	56 K	110 K	220 K	400 K
Max. Ran 4 K Write (IOPS)	155 K	275 K	380 K	345 K
Max. Power Consumption	1.9W	2.4W	2.6W	3.5W
TBW	91TB	182TB	365TB	730TB
MTBF	1,500,000 hours			
Storage Medium	3D NAND			
Interface	PCIe			
Working Temperature	0 °C to 70 °C (32 °F to 158 °F)			
Storage Temperature	-40 °C to 85 °C (-40 °F to +185 °F)			
TRIM	Supports			
Warranty	3 years			
Weight	≤ 7 g			

Note

1. Specifications are subject to change without notice.
2. 1 MB=1,000,000Bytes, 1 GB=1,000,000,000Bytes, Unformatted Capacity. User accessible capacity may vary depending on operating environment and formatting.
3. Operating Temperature (0 °C ~70 °C) is subject to SSD's S.M.A.R.T. display.

Revision History

Version	Description	Date
V1.0.0	Preview edition	20210124
V1.0.1	Review passed	20220223

Data subject to change without notice.

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