HS-SSD-E3000

Introduction

Specifications and performance of Hikvision E3000 series SSD.

As a leader in the security industry, Hikvision processes EB-level data (1 EB=1024 PB, 1 PB=1024 TB) every year, and has accumulated many years of data storage and flash memory management technology. At the technical level, the E3000 series SSD adopts advanced SSD master control and 3D NAND Flash technology, combined with Hikvision's self-developed NAND Flash management software, to ensure read and write speed and data security. At the product level, the E3000 series SSD adopts the highest quality 3D NAND Flash and BGA patch, which are produced by automated production lines, and have undergone strict standard tests for data storage in the Haikang data center to ensure stable services.

Ordering Information

Model	Capacity
HS-SSD-E3000	512GB
HS-SSD-E3000	1024GB

Features

- **High R/W Speed PCIe** interface
  Max. read speed up to 3476MB/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.

Specification

Model	HS-SSD-E3000	
Capacity	512 GB	1024 GB
Form Factor	M.2 2280	
Max. Seq. Read	3476 MB/s	3476 MB/s
Max. Seq. Write	2545 MB/s	3137 MB/s
Max. Ran 4 K Read (IOPS)	404 K	567 K
Max. Ran 4 K Write (IOPS)	263 K	391 K
Max. Power Consumption	3.17 W	3.73 W
TBW	TBD	TBD
MTBF	1,500,000 hours	
Storage Medium	3D TLC	
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	5 years	
Weight	≤ 7 g	

Notes:

1. Specifications are subject to change without notice.

2. 1 MB=1,000,000 Bytes, 1 GB=1,000,000,000 Bytes, 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	20210607

Data subject to change without notice.

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the HIKSTORAGE website (http://en.hikstorage.com/).