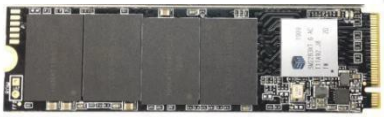
Consumer SSD E1000 Series

Introduction



Consumer SSD E1000 adopts M.2 interface, advanced SSD control computing chip and 3D NAND flash to effectively improve R/W speed and ensure data security.

It applies to personal computer and small-size proxy server to providing stable and high-speed service. It can also improve the high-end gaming experience and 3D graphics editing performance.

Available Models

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

Typical Application

- PC (notebook and desktop)
- Small-size proxy sever

Features and Functions

- **High R/W Speed** Supports
  Max. read speed up to 2500 MB/s
- **3D NAND**
  Adopts 3D NAND flash to optimize capacity, performance and stability
- **Shockproof**
  No mechanical structure
  Adopts electronic chips
  control High data security
- **M.2 Interface**

Specifications

Model		HS-SSD-E1000			
Capacity		128GB	256GB	512GB	1024GB
Form Factor		M.2(2280)			
Interface		PCIe Gen3×4			
Max. sequential 128 K read speed❶		980 MB/s	2300 MB/s	2500 MB/s	2500 MB/s
Max. sequential 128 K write speed		620 MB/s	1200 MB/s	2100 MB/s	2100 MB/s
Max. random 4 K read IOPS❷		40 K	200 K	295 K	295 K
Max. random 4 K write IOPS		134 K	250 K	430 K	430 K
Power consumption❸	Read (RMS max.)	3 W	3 W	3 W	3 W
	Write (RMS max.)	2.9 W	2.9 W	3.5 W	3.5 W
Endurance (TBW)❹		80 TB	160 TB	320 TB	640 TB
NAND flash memory		3D TLC			
Weight		≤ 8 g			
MTBF (Mean Time between Failures)❺		1,500,000 h			
Operation temperature		0 °C to 70 °C (32 °F to 158 °F)			
Operation humidity		5% to 95% (no condensation)			
Limited warranty period		3 years			

**: 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.*

❶❷*: Performance in the specifications is tested based on CrystalDiskMark.*

❸*: Power consumption may differ according to flash configuration and platform. Power consumptions are measured by using CrystalDiskMark 1000 MB to test sequential R/W 5 times. Power consumptions are measured when sequential Read [1/5] to [5/5] and sequential Write [1/5] to [5/5].*

❹*: The TBW value is calculated based on Workload of JEDC 218B/219A standard.*

❺*: The MTBF value is calculated based on the functional failure rate of JEDC 218B/219A standard.*

Distributed by

HIKVISION

Headquarters
Room 307, Unit B, Building 2,
399 Danfeng Road, Binjiang District,
Hangzhou, Zhejiang, China