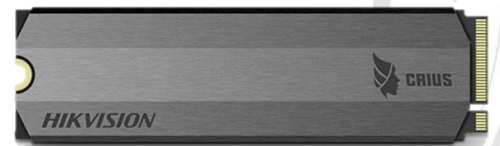


Consumer SSD E2000 Series

Introduction

Consumer SSD E2000 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-E2000 / 256GB

HS-SSD-E2000 / 512GB

HS-SSD-E2000 / 1024GB

Typical Application

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

Features and Functions

- **High R/W Speed**
Supports PCIe and NVMe
Max. read speed up to 3500 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**
Small and portable, easy to install



Specifications

Model	HS-SSD-E2000		
Capacity	256 GB	512 GB	1024 GB
Form Factor	M.2 (NGFF)		
Interface	PCIe Gen 3 x 4, NVMe		
DRAM Cache Memory	256 MB	512MB	1 GB
Dimensions	80.15 mm × 22.15 mm × 2.38 mm		
Max. sequential 128 K read speed ^①	3100 MB/s	3300 MB/s	3500 MB/s
Max. sequential 128 K write speed	1300 MB/s	2100 MB/s	3000 MB/s
Max. random 4 K read IOPS ^②	187 K	369 K	600 K
Max. random 4 K write IOPS	245 K	470 K	600 K
Power consumption ^③	Read (RMS max.)	6.4 W	7 W
	Write (RMS max.)	3.9 W	5 W
Endurance (TBW) ^④	380 TB	800 TB	1665 TB
NAND flash memory	3D TLC		
Weight	≤ 8 g		
MTBF (Mean Time between Failures) ^⑤	1,500,000 h		
Operation temperature	0 °C to 70 °C (32 °F to 158 °F)		
Storage temperature	-40 °C to +85 °C (-40 °F to +185 °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.

① ②: Performance in the specifications is tested based on CrystalDiskMark.

③: 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].

④: The TBW value is calculated based on Workload of JEDEC 218B/219A standard.

⑤: The MTBF value is calculated based on the functional failure rate of JEDEC 218B/219A standard.

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