

HIKVISION Consumer SSD E100N Series

Introduction

The E100N series consumer SSD is mounted with the M.2 interface. This product is specially designed for optimizing the computer operating systems and effectively improve the startup speed and operation efficiency of the systems.

E100N series applies the 3D NAND flash memory that can effectively improve the write/read efficiency and data security, providing a stable and fast data service of the target system.



Available Model	Material Description
HS-SSD-E100N	Consumer SSD, M.2 interface, 22*80mm, 128GB
	Consumer SSD, M.2 interface, 22*80mm, 256GB
	Consumer SSD, M.2 interface, 22*80mm, 512GB
	Consumer SSD, M.2 interface, 22*80mm, 1024GB

Typical Application:

- Desktops and notebooks
- Small-size proxy servers

Features and Functions:

- **High-speed read/write**

Support M.2 interface and SATA III protocol and the read speed is up to 555MB/s.

- **3D NAND flash**

3D NAND flash optimizes the capacity, performance and stability.

- **Anti-vibration**

Use the electronic chip control to replace traditional mechanical structure and provide high data security.

- **M.2 interface**

Easy to intergrade and install due to the light weight and small size.



Specifications :

Name	Consumer SSD			
Model	HS-SSD-E100N			
Capacity	128GB	256GB	512GB	1024GB
Dimensions (mm)	22*80	22*80	22*80	22*80
MAX. read speed (MB/s)	530	545	550	555
MAX. write speed (MB/s)	450	480	510	513
MAX. random 4K read speed (IOPS)	39K	87K	90K	92K
MAX. random 4K write speed (IOPS)	71K	72K	75K	76K
MAX. idle power consumption (W)	0.055	0.055	0.055	0.055
MAX. read power consumption (W)	2.25	2.25	2.25	2.25
MAX. write power consumption (W)	2.51	2.51	2.51	2.51
Endurance (TBW)	35	70	140	280
NAND flash memory	3D TLC			
Interface	SATA III 6 Gb/s, SATA II 3 Gb/s			
	M.2 (NGFF)			
Driver	ATA-8 ACS2			
	Serial ATA 2.6			
Weight	≤5.4g			
MTBF (hours)	1500000			
Operating temperature	0°C ~ 70°C			
Operating humidity	8% ~ 95% (no condensing)			
Warranty period	3 years			

Note: The parameter values of this series of products mentioned in this datasheet are the maximum values based on the internal test results. Different capacities of the same series have different abilities. Please review the practical performance of the products. Performance test is performed in the specific computer system, hardware, software, operation system and functions. Any changes of the above factors may influence the test results. Please evaluate the target products comprehensively by referring to other information and performance tests of other products.