HIKSEMI

F1000 series

Introduction

Specifications and performance of HIKSEMI F1000 series SSD.

Relying on Hikvision's security background, it is committed to developing four major businesses, including solid-state drives, memory cards, private network disks, and mobile storage. It has a sound supply chain system and perfect after-sales process. At the technical level, F1000 series SSD adopts advanced SSD master control and 3D NAND Flash technology, together with the NAND Flash management software independently developed by HIKSEMI, to ensure read and write speed and data security. At the product level, F1000 series SSDs use the highest quality 3D NAND Flash and BGA patches, which are produced by automated production lines and tested by Hikvision's strict standards to ensure stable service. F1000 series SSD can be widely used in personal computers, game consoles and other devices to provide stable and high-speed services for the target system.

Features

● Extremely fast read and write

PCIe interface with a maximum read speed of 5100 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.

● Application Field

Applicable to personal computers, laptops, PS5, etc.

Ordering Information

Capacity	Model
F1000 512GB	HS-SSD- F1000
F1000 1024GB	HS-SSD- F1000

Note

Please contact the local sales for detailed model information.

Specification

Model	F1000 series	
Capacity	512GB	1024GB
Form Factor	M.2 2280	
Max. Seq. Read	5000 MB/s	5100 MB/s
Max. Seq. Write	2500 MB/s	4200 MB/s
Max. Ran 4 K Read (IOPS)	430K	880K
Max. Ran 4 K Write (IOPS)	530K	880K
Max. Power Consumption	3.4W	4.4W
TBW	900TB	1800TB
MTBF	2,000,000 hours	
Storage Medium	3D TLC	
Interface	PCIe Gen4x4	
Working Temperature	0 °C to 70 °C (32 °F to 158 °F)	
Storage Temperature	-40 °C to 85 °C (-40 °F to +185 °F)	
Function	AES-256/SM4/TCG-Opal 2.0/IEEE1667 Third-generation Agile ECC technology (4K LDPC), end-to-end data protection RAID5 & 6	
Warranty	5 years	
Weight	≤7g	

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	F1000 series	20220601

Data subject to change without notice.