

FUTURE Lite series



Introduction

Specifications and performance of HIKSEMI FUTURE Lite series SSD.

HIKSEMI has a sound supply chain system and perfect after-sales process. At the technical level, FUTURE Lite series SSD adopts advanced SSD controller 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, FUTURE Lite series SSDs use the highest quality 3D NAND Flash and BGA patches, which are produced by automated production lines and tested by Hiksemi's strict standards to ensure stable service. FUTURE Lite 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 7300 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 device, etc.

Ordering Information

Capacity	Model
1024GB	HS-SSD- FUTURE Lite 1024G
2048GB	HS-SSD-FUTURE Lite 2048G
4096GB	HS-SSD-FUTURE Lite 4096G



Note

Please contact the local sales for detailed model information.

Specification

Model	FUTURE Lite series		
Capacity	1024GB	2048GB	4096GB
Form Factor	M.2 2280		
Max. Seq. Read*	7000 MB/s	7100 MB/s	7300 MB/s
Max. Seq. Write*	6000 MB/s	6350 MB/s	6200 MB/s
Max. Ran 4 K Read (IOPS)*	915 K	875 K	868 K
Max. Ran 4 K Write (IOPS)*	462 K	480 K	603 K
Max. Power Consumption*	4.9 W	4.9 W	4.9 W
TBW*	750 TB	1500 TB	3000 TB
MTBF*	2,000,000 hours		
Storage Medium	3D NAND		
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)		
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.
4. Performance may vary depending on SSD's firmware, system hardware configuration and other factors.

Revision History

Version	Description	Date
V1.0.0	FUTURE Lite series	20230613
V1.0.1	Added 4096GB	20230918
V1.0.2	Font change	20240304

Data subject to change without notice.

© 2024 HANGZHOU HIKSTORAGE TECHNOLOGY CO.,LTD. All rights reserved.

Unless otherwise expressly stated herein, HIKSTORAGE does not make any warranties, guarantees or representations, express or implied, regarding to the Manual, any information contained herein.

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 (www.hiksemitech.com).