

FUTURES Eco series



Introduction

Specifications and performance of HIKSEMI FUTURES Eco series SSD.

HIKSEMI has a sound supply chain system and perfect after-sales process. At the technical level, FUTURES Eco 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, FUTURES Eco 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. FUTURES Eco 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 5000 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
1024GB	HS-SSD- FUTURES Eco 1024G



Note

Please contact the local sales for detailed model information.

Specification

Model	FUTURES Eco series
Capacity	1024GB
Form Factor	M.2 2230
Max. Seq. Read	5000 MB/s
Max. Seq. Write	3300 MB/s
Max. Ran 4 K Read (IOPS)	643K
Max. Ran 4 K Write (IOPS)	300K
Max. Power Consumption	4.4W
TBW	1800TB
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)
Function	AES-256/SM4/TCG-Opal 2.0 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	FUTURES Eco series	20230928

Data subject to change without notice.

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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).