



FUTURE Eco series

Introduction

Specifications and performance of HIKSEMI FUTURE Eco series SSD.

HIKSEMI has a sound supply chain system and perfect after-sales process. At the technical level, FUTURE 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, FUTURE 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. FUTURE 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
512GB	HS-SSD- FUTURE Eco 512G
1024GB	HS-SSD- FUTURE Eco 1024G
2048GB	HS-SSD-FUTURE Eco 2048G



Note

Please contact the local sales for detailed model information.

Specification

Model	FUTURE Eco series		
Capacity	512GB	1024GB	2048GB
Form Factor	M.2 2280		
Max. Seq. Read	5000 MB/s	5000 MB/s	4850 MB/s
Max. Seq. Write	2500 MB/s	4600 MB/s	4450 MB/s
Max. Ran 4 K Read (IOPS)	430K	880K	650K
Max. Ran 4 K Write (IOPS)	530K	880K	580K
Max. Power Consumption	1.1W	1.7W	2.5W
TBW	900TB	1800TB	3600TB
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	FUTURE Eco series	20230112

Data subject to change without notice.

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