

## WAVE(S) series



### Introduction

Specifications and performance of HIKSEMI WAVE(S) series SSD.

HIKSEMI commits to develop the four major businesses of solid state drives, memory cards, private network disks, and mobile storage, with a sound supply chain system and perfect after-sales process. On the technology side, WAVE(S) series adopts the advanced SSD controller and 3D NAND Flash to ensure the read/write speed and data safety.

On the production side, WAVE(S) series adopts the good quality 3D NAND Flash and BGA , and is manufactured by the automatic production line. It has been tested according to the standard of video surveillance server, so that it offers better stability.

### Features

- High R/W Speed SATA interface

Max. read speed up to 560 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, PS4, etc.

### Ordering Information

Capacity	Model
120G	HS-SSD-WAVE(S) 120G
128G	HS-SSD-WAVE(S) 128G
240G	HS-SSD-WAVE(S) 240G
256G	HS-SSD-WAVE(S) 256G
480G	HS-SSD-WAVE(S) 480G
512G	HS-SSD-WAVE(S) 512G
960G	HS-SSD-WAVE(S) 960G
1024G	HS-SSD-WAVE(S) 1024G
1920G	HS-SSD-WAVE(S) 1920G
2048G	HS-SSD-WAVE(S) 2048G
4096G	HS-SSD-WAVE(S) 4096G

#### Note

Please contact the local sales for detailed model information.

## Specification

Model	WAVE(S) series					
Form Factor	2.5 inch					
Capacity	120GB	240GB	480GB	960GB	1920GB	
Max. Seq. Read	460 MB/s	530 MB/s	550 MB/s	550 MB/s	560 MB/s	
Max. Seq. Write	360 MB/s	400 MB/s	470 MB/s	480 MB/s	520 MB/s	
Max. Ran 4 K Read (IOPS)	20K	30K	60K	65 K	80 K	
Max. Ran 4 K Write (IOPS)	45K	50K	70K	70 K	75 K	
Max. Power Consumption	1.3W	1.3W	1.6W	1.6W	1.6W	
TBW	40TB	80TB	160TB	320TB	640TB	
Capacity	128GB	256GB	512GB	1024GB	2048GB	4096GB
Max. Seq. Read	460 MB/s	530 MB/s	530 MB/s	550 MB/s	550 MB/s	510 MB/s
Max. Seq. Write	370 MB/s	400 MB/s	450 MB/s	470 MB/s	510 MB/s	460 MB/s
Max. Ran 4 K Read (IOPS)	28K	45K	63K	75K	80 K	68K
Max. Ran 4 K Write (IOPS)	51K	75K	69K	75K	70 K	76K
Max. Power Consumption	1.3W	1.4W	1.9W	2.6W	3.4W	3.7 W
TBW	40TB	80TB	170TB	340TB	680TB	1920TB
MTBF	1,500,000 hours					
Storage Medium	3D NAND					
Interface	SATAIII					
Working Temperature	0 °C to 70 °C (32 °F to 158 °F)					
Storage Temperature	-40 °C to 85 °C (-40 °F to +185 °F)					
TRIM	Supports					
Warranty	3 years					
Weight	≤34.4g					

### 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	WAVE(S) series	20230222

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](http://www.hiksemitech.com)).