

WAVE Pro(P) series

Introduction

HIKSEMI commit 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, HS-SSD-WAVE Pro(P) adopts the advanced SSD controller and 3D NAND Flash to ensure the read/write speed and data safety.

On the production side, HS-SSD- WAVE Pro(P) 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.

HS-SSD- WAVE Pro(P) series SSDs are widely used in personal computers, game consoles and other devices to provide stable services for target systems.



Features

- High R/W Speed PCIe interface

Max. read speed up to 3500 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.

- Smart firmware

Through the SSD management tool, support dynamic SLC opening and closing, support OP adjustable, to meet the needs of multiple scenarios.

- Application Field

Applicable to personal computers, laptops, PS5, etc.

Ordering Information

Capacity	Model
256 GB	HS-SSD- WAVE Pro(P)
512 GB	HS-SSD- WAVE Pro(P)
1024 GB	HS-SSD- WAVE Pro(P)
2048 GB	HS-SSD- WAVE Pro(P)

Note

Please contact the local sales for detailed model information.

Specification

Model	WAVE Pro(P) series			
Capacity	256GB	512 GB	1024 GB	2048 GB
Form Factor	M.2 2280			
Max. Seq. Read	3230 MB/s	3500 MB/s	3520 MB/s	3445 MB/s
Max. Seq. Write	1240 MB/s	1800 MB/s	2900 MB/s	3120 MB/s
Max. Ran 4 K Read (IOPS)	195 K	200 K	195 K	445 K
Max. Ran 4 K Write (IOPS)	210 K	155 K	150 K	315 K
Max. Power Consumption	1.6W	3.0 W	4.5 W	5.9 W
TBW	112 TB	224 TB	448 TB	896 TB
MTBF	1,500,000 hours			
Storage Medium	3D TLC			
Interface	PCIe			
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	5 years			
Weight	≤ 7 g			

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 Pro(P) series	20230222

Data subject to change without notice.

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