WAVE(P) series

Introduction

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

HIKSEMI commit to develop four major businesses, including solid-state drives, memory cards, private network disks, and mobile storage. It has a sound supply chain system and perfect after-sales process. At the technical level, the WAVE(P) series SSD adopts advanced SSD master control and 3D NAND Flash technology to ensure read and write speed and data security. At the product level, WAVE(P) 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. WAVE(P) series SSD can be widely used in personal computers, game consoles and other equipment to provide stable and high-speed services for the target system.

Features

- High R/W Speed PCIe interface

Max. read speed up to 2500 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, etc.

Ordering Information

Capacity	Model
128G	HS-SSD-WAVE(P) 128G
256G	HS-SSD-WAVE(P) 256G
512G	HS-SSD-WAVE(P) 512G
1024G	HS-SSD-WAVE(P) 1024G

Note

Please contact the local sales for detailed model information.

Specification

Model	WAVE(P) series			
Capacity	128GB	256GB	512GB	1024GB
Form Factor	M.2 2280			
Max. Seq. Read	1200 MB/s	2280 MB/s	2230 MB/s	2450 MB/s
Max. Seq. Write	950 MB/s	1800 MB/s	2000 MB/s	2450 MB/s
Max. Ran 4 K Read (IOPS)	55 K	90 K	460 K	146 K
Max. Ran 4 K Write (IOPS)	180 K	320 K	335 K	128 K
Max. Power Consumption	1.3 W	1.6 W	2.2 W	3.1 W
TBW	80 TB	100 TB	120 TB	240 TB
MTBF	1,500,000 h			
Storage Medium	3D NAND			
Interface	PCIe			
Working Temperature	0 °C ~ 70 °C			
Storage Temperature	-40 °C ~ 85 °C			
TRIM	Supports			
Warranty	3 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	WAVE(P) series	20230223
V1.0.1	WAVE(P) series	20250805

Data subject to change without notice.

© 2023 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).