

## V310N series



### Introduction

Relying on the security background of Hiksemi, we are committed to developing 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, V310N series adopts the advanced SSD controller and 3D NAND Flash, and coordinates with HIKSEMI's self-designed NAND Flash management firmware to ensure the read/write speed and data safety.

On the production side, V310N 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.

V310N series 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 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

suitable for system storage disk or data storage disk applications in video surveillance, rail transit, industrial control and other fields.

### Ordering Information

Capacity	Model
64G	V310N 64G-SSDV04dBB10C64GAAA
128G	V310N 128G-SSDV04dBB10C128GAAA
256G	V310N 256G-SSDV04dBB10C256GAAA
512G	V310N 512G-SSDV04dBB20C512GAAA
1024G	V310N 1024G-SSDV04dBB40C1024AAA



#### Note

Please contact the local sales for detailed model information.

## Specification

Model	V310N series				
Capacity	64GB	128GB	256GB	512GB	1024 GB
Form Factor	M.2 Type-2280-D2-B-M M.2 Type-2280-S2-B-M				
Max. Seq. Read	340 MB/s	560 MB/s	560 MB/s	555 MB/s	560 MB/s
Max. Seq. Write	350 MB/s	500 MB/s	515 MB/s	520 MB/s	520 MB/s
Max. Ran 4 K Read (IOPS)	25 K	55 K	90 K	90 K	95 K
Max. Ran 4 K Write (IOPS)	75 K	80 K	75 K	75 K	75 K
Max. Power Consumption	0.8 W	1.0 W	1.2 W	1.2 W	1.1 W
TBW	54TB	186TB	282TB	615TB	1364TB
MTBF	2,000,000 hours				
Storage Medium	3D TLC				
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	≤10g				

### 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	Preview edition	20220324
V1.0.2	Document review completed	20220429
V1.0.3	TBW parameter update	20220527
V1.0.4	Font update	20240617

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)).