

V310 series



Introduction

Relying on the security background of Hikvision, 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, V310 series adopts the advanced SSD controller and 3D NAND Flash, and coordinates with HIKVISION's self-designed NAND Flash management firmware to ensure the read/write speed and data safety.

On the production side, V310 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 550 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
V310 64G	SSDV04dBB10A64GCAA
	SSDV04dBB10A64GAAA
V310 128G	SSDV04dBB10A128GCAA
	SSDV04dBB10A128GAAA
V310 256G	SSDV04dBB10A256GCAA
	SSDV04dBB10A256GAAA
V310 512G	SSDV04dBB20A512GCAA
	SSDV04dBB20A512GAAA
V310 1024G	SSDV04dBB40A1024CAA
	SSDV04dBB40A1024AAA

Note

Please contact the local sales for detailed model information.

Specification

Model	V310 series				
Capacity	64GB	128GB	256GB	512GB	1024 GB
Form Factor	2.5 inch				
Max. Seq. Read	285 MB/s	550 MB/s	470 MB/s	470 MB/s	470 MB/s
Max. Seq. Write	80 MB/s	165 MB/s	300 MB/s	525 MB/s	520 MB/s
Max. Ran 4 K Read (IOPS)	60 K	30 K	55 K	85 K	90K
Max. Ran 4 K Write (IOPS)	75 K	40 K	65 K	75 K	75 K
Max. Power Consumption	0.9W	1.0W	1.3W	1.9W	1.9W
TBW	54TB	186TB	282TB	615TB	1364TB
MTBF	1,500,000 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	≤40.6g				

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	V310 series	20211105
V1.0.1	Document review official version	20211119
V1.0.2	Add 64G capacity point	20220223
V1.0.3	TBW parameter update	20220527

Data subject to change without notice.

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