



# V310M 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, V310M 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, V310M 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.

V310M 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 545 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
V310M 64G	SSDV04dBB10B64GAAA
V310M 128G	SSDV04dBB10B128GAAA
V310M 256G	SSDV04dBB10B256GAAA
V310M 512G	SSDV04dBB20B512GAAA
V310M 1024G	SSDV04dBB40B1024AAA

### Note

Please contact the local sales for detailed model information.

## Specification

Model	V310M series				
Capacity	64GB	128GB	256GB	512GB	1024 GB
Form Factor	mSATA				
Max. Seq. Read	290 MB/s	545 MB/s	490 MB/s	495 MB/s	495 MB/s
Max. Seq. Write	85 MB/s	165 MB/s	300 MB/s	520 MB/s	520 MB/s
Max. Ran 4 K Read (IOPS)	15 K	30 K	55 K	85 K	90 K
Max. Ran 4 K Write (IOPS)	20 K	40 K	65 K	75 K	75 K
Max. Power Consumption	0.8 W	0.9 W	1.0 W	1.5 W	1.6 W
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	≤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	Preview edition	20211216
V1.0.1	Document review official version	20211224
V1.0.2	Add 64G capacity point	20220211
V1.0.3	TBW parameter update	20220527

Data subject to change without notice.

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