

# A100 series



## Introduction

Specifications and performance of HIKSEMI A100 series SSD.

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, A100 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, A100 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
128G	HS-SSD-A100 128G
256G	HS-SSD-A100 256G
512G	HS-SSD-A100 512G
1024G	HS-SSD-A100 1024G
2048G	HS-SSD-A100 2048G

### Note

Please contact the local sales for detailed model information.

## Specification

Model	A100 series				
Capacity	128GB	256GB	512GB	1024GB	2048GB
Form Factor	2.5 inch				
Max. Seq. Read	460 MB/s	530 MB/s	530 MB/s	550 MB/s	550 MB/s
Max. Seq. Write	370 MB/s	400 MB/s	450 MB/s	470 MB/s	510 MB/s
Max. Ran 4 K Read (IOPS)	28K	45K	63K	75K	80 K
Max. Ran 4 K Write (IOPS)	51K	75K	69K	75K	70 K
Max. Power Consumption	1.3W	1.4W	1.9W	2.6W	3.4W
TBW	40TB	80TB	170TB	340TB	680TB
MTBF	1,500,000 hours				
Storage Medium	3D NAND				
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	≤34.4g				

### 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	A100 series	20221028
V1.0.1	Change of capacity point	20221114

Data subject to change without notice.

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