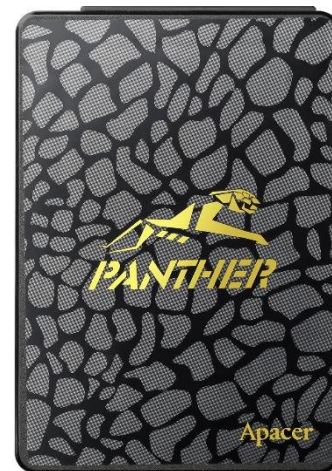


**RoHS Compliant**

**Serial ATA Flash Drive**

AS340 Product Specifications



**Aug, 2018**

**Version 2.0**

**Apacer Technology Inc.**

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[www.apacer.com](http://www.apacer.com)

## Specifications Overview:

- **Compliance with SATA Revision 3.1**
  - SATA 6.0 Gbps interface
  - Backward compatible with SATA 1.5 and 3.0 Gbps interfaces
- **Capacity**
  - 120GB , 240GB ,480GB ,960GB
- **Performance\***
  - Sequential read: Up to 550 MB/sec
  - Sequential write: Up to 520 MB/sec
  - Random read (4K): Up to 96,618 IOPS
  - Random write (4K): Up to 30,176 IOPS
- **Flash Management**
  - Global Wear Leveling
  - S.M.A.R.T.
  - Power Failure Management
  - TRIM
- **NAND Flash Type: 3D TLC**
- **MTBF: >1,500,000 hours**
- **Endurance (in Terabytes Written: TBW)**
  - 120 GB: 70 TBW
  - 240 GB: 140 TBW
  - 480 GB: 280 TBW
  - 960 GB: 560 TBW
- **Temperature Range**
  - Operating:
    - Standard: 0°C to 70°C
  - Storage: -40°C to 70°C
- **Supply Voltage**
  - 5.0 V ± 5%
- **Power Consumption\***
  - Active mode:
    - 1,260 mW (120GB)
    - 1,450 mW (240GB)
    - 1,710 mW (480GB)
    - 2,000 mW (960GB)
  - Idle mode:
    - 320 mW (120GB)
    - 325 mW (240GB)
    - 315 mW (480GB)
    - 450 mW (960GB)
- **Connector Type**
  - 7-pin SATA signal connector
  - 15-pin SATA power connector
- **Form Factor**
  - 2.5"
  - Dimensions with 7mm enclosure: 100.00 x 69.85 x 6.90, unit: mm
- **Shock & Vibration\*\***
  - Shock:1,500 G
  - Vibration: 15 G
- **SATA Power Management Modes**
- **RoHS Compliant**

\*Varies from capacities. The values for performances and power consumptions presented are typical and may vary depending on flash configurations or platform settings.

\*\*Non-operating

## 1.1 Part Number Listing

| Capacity | Bulk P/N     | Retail P/N     |
|----------|--------------|----------------|
| 120GB    | AP120GAS340S | AP120GAS340S-1 |
| 240GB    | AP240GAS340S | AP240GAS340S-1 |
| 480GB    | AP480GAS340S | AP480GAS340S-1 |
| 960GB    | AP960GAS340S | AP960GAS340S-1 |

## Revision History

| Revision | Description      | Date      |
|----------|------------------|-----------|
| 1.0      | Official release | 8/9/2018  |
| 2.0      | Add PN           | 8/20/2018 |

## Global Presence

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