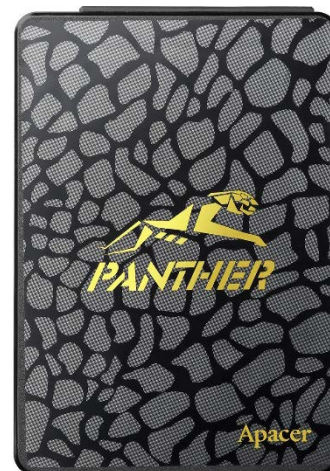


**RoHS Compliant**

**Serial ATA Flash Drive**

AS340 Product Specifications



**Aug, 2018**

**Version 2.0**

**Apacer Technology Inc.**

1F, No.32, Zhongcheng Rd., Tucheng Dist., New Taipei City, Taiwan, R.O.C

Tel: +886-2-2267-8000 Fax: +886-2-2267-2261

[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	AP120GAS340G	AP120GAS340G-1
240GB	AP240GAS340SG	AP240GAS340SG-1
480GB	AP480GAS340SG	AP480GAS340SG-1
960GB	AP960GAS340SG	AP960GAS340SG-1

## Revision History

Revision	Description	Date
1.0	Official release	8/9/2018
2.0	Document layout change	8/20/2018

## Global Presence

### Taiwan (Headquarters)

#### Apacer Technology Inc.

1F., No.32, Zhongcheng Rd., Tucheng Dist.,  
New Taipei City 236, Taiwan R.O.C.  
Tel: 886-2-2267-8000  
Fax: 886-2-2267-2261  
[amtsales@apacer.com](mailto:amtsales@apacer.com)

### Japan

#### Apacer Technology Corp.

6F, Daiyontamachi Bldg., 2-17-12, Shibaura, Minato-Ku,  
Tokyo, 108-0023, Japan  
Tel: 81-3-5419-2668  
Fax: 81-3-5419-0018  
[jpservices@apacer.com](mailto:jpservices@apacer.com)

### China

#### Apacer Electronic (Shanghai) Co., Ltd

Room D, 22/FL, No.2, Lane 600, JieyunPlaza,  
Tianshan RD, Shanghai, 200051, China  
Tel: 86-21-6228-9939  
Fax: 86-21-6228-9936  
[sales@apacer.com.cn](mailto:sales@apacer.com.cn)

### U.S.A.

#### Apacer Memory America, Inc.

46732 Lakeview Blvd., Fremont, CA 94538  
Tel: 1-408-518-8699  
Fax: 1-510-249-9551  
[sa@apacerus.com](mailto:sa@apacerus.com)

### Europe

#### Apacer Technology B.V.

Science Park Eindhoven 5051 5692 EB Son,  
The Netherlands  
Tel: 31-40-267-0000  
Fax: 31-40-290-0686  
[sales@apacer.nl](mailto:sales@apacer.nl)

### India

#### Apacer Technologies Pvt Ltd,

Unit No.201, "Brigade Corner", 7<sup>th</sup> Block  
Jayanagar,  
Yediyur Circle, Bangalore – 560082, India  
Tel: 91-80-4152-9061  
Fax: 91-80-4170-0215  
[sales\\_india@apacer.com](mailto:sales_india@apacer.com)