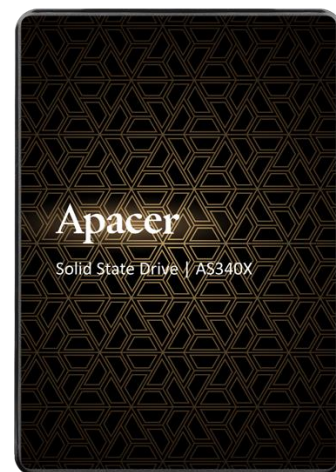


RoHS Compliant
Serial ATA Flash Drive
AS340X Product Specifications



Jan, 2021

Version 1.0

Apacer Technology Inc.

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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***
 - Seq. Read / Write:
 - 120GB : Up to 550 / 500 MB/s
 - 240GB : Up to 550 / 520 MB/s
 - 480GB : Up to 550 / 520 MB/s
 - 960GB : Up to 550 / 510 MB/s
 - (4K) Random Read / Write
 - 120GB : Up to 38K / 75K IOPS
 - 240GB : Up to 38K / 75K IOPS
 - 480GB : Up to 87K / 80K IOPS
 - 960GB : Up to 93K / 80K IOPS
- **Flash Management**
 - Global Wear Leveling
 - S.M.A.R.T.
 - Power Failure Management
 - TRIM
- **NAND Flash Type: 3D NAND**
- **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 85°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-operatin

1.1 Part Number Listing

Capacity	Bulk P/N	Retail P/N
120GB	AP120GAS340XC	AP120GAS340XC-1
240GB	AP240GAS340XC	AP240GAS340XC-1
480GB	AP480GAS340XC	AP480GAS340XC-1
960GB	AP960GAS340XC	AP960GAS340XC-1

1.2 Revision History

Revision	Description	Date
1.0	Official release	01/07/2021

Global Presence

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