

SATA SSD AS340

Apacer
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Apacer AS340

Fast and Furious – Reliable Solution for Computer System Optimization

Apacer AS340 is a class-leading, gaming-oriented solid state drive (SSD) offering your PC to operate at the fastest speed. Designed in SATAIII 6.0 Gb/s interface, the drive can deliver outstanding performance up to 490 MB/s data transfer speed, highly suitable to serve as operating system boot drive, storage media of important data, or perfect solution for budding gamers on a budget. The mechanical design of AS340 conforms to the latest requirements of SATAIII 6.0 Gb/s interface. Hence, power efficiency wise, AS340 supports SATA power management modes which greatly cut power consumptions to make it an environmental and economical storage drive than traditional hard disk drives.

AS340 boasts built-in advanced Wear Leveling and ECC functions and supports Windows 7 TRIM command. These not only extend SSD life and improve operation stability, but also maintain long-term performance.

Available in 120GB and 240GB, AS340 can meet the demand of different users. Meanwhile, Apacer publishes specially designed SSD Widget software which allows users to examine the SSD status as well as instant firmware update. With the advantages of performance and stability mentioned above, AS340 is proved to be the best companion for PC and laptop upgrade.

Features:

- SATA 6.0 Gb/s interface compliance
- Outstanding read/write performance
- Supports SATA Power Management
- Powerful ECC engine correcting up to 72bit/1KB
- Supports S.M.A.R.T. commands
- Supports NCQ/TRIM commands



Applications

- PC/NB for general storage
- Operating system boot drive for PC/NB
- Network servers
- Industrial PCs
- Graphic and video applications
- Kiosk, POS and automation.
- Multimedia
- Gaming



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General Product Specifications

Specifications			
Interface	SATA 6.0 Gb/s interface		
SATA 6.0 Gbps Burst Speed	600 MB/s		
Capacity ¹	120 GB, 240 GB		
Performance ² (Unit: MB/s)	Capacity	120 GB	240 GB
	Sequential Read	490	475
	Sequential Write	360	380
Endurance	Capacity	120 GB	240 GB
	TBW	30TB	60TB
Form Factor	2.5 inch		
NAND Flash Media	TLC		
ECC	Up to 72bit/1KB		
MTBF	1,500,000 hours (approx.)		
Operating Voltage	5V ± 5%		
Power consumption ³ (Unit: mA)	Capacity	120 GB	240 GB
	Active	275	350
	Idle	80	80
Dimension	100.00mm(L) x 69.85mm(W) x 7.00mm(H)		
Weight	75g		
Reliability Features	S.M.A.R.T, Wear Leveling, TRIM, NCQ		
Temperature	Operating	0°C to 70°C	
	Storage	-40°C to 85°C	
Humidity	RH 90% under 40°C		
Shock ⁴	1,500G/0.5ms		
Vibration ⁴	80 – 2000Hz/20G		
Acoustic	0dB		
Warranty	3 years		
Package Content	Retail package		
Certifications	RoHS, CE, FCC		

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¹ Unformatted. Theoretically, 1GB=1,000,000,000 Bytes. Under operating systems, the capacity might appear to be less than the theoretical capacity because the calculation in OS is based on 1 GB = 1024 MB / 1MB =1024KB and a minority of the capacity is reserved for maintenance purposes.

² Performance results may vary from flash configurations or host system settings. Test results are based on ATTO platform, and of all the results, only the least impressive performance is given for reference. Normally the read/write speeds in actual scenarios can be better than the values here.

³ Power consumption was measured at 5.0V and for 240 GB capacity only. The results may vary from flash configurations or host system settings.

⁴ Shock and vibrations are subject to change without notice.

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Ordering Information

Capacity	Bulk	Distributor/Retailer
120 GB	AP120GAS340G	AP120GAS340G-1
240 GB	AP240GAS340G	AP240GAS340G-1

Revision History

Version	Description	Date
1.0	Official release	6/22/2016
1.1	Added technical notes for performance results	7/6/2016

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