

Apacer SC Series

The Speedy and Reliable Companion for PC and Notebooks

Apacer SC series solid state drive (SSD) is a speedy and reliable companion for consumer PC and laptops. Designed in SATA 6 Gb/s interface, the drive can deliver outstanding performance up to 550 MB/s data transfer speed, highly suitable to serve as operating system boot drive or storage media of important data. Power efficiency wise, SC series supports SATA power management modes which greatly cut power consumptions to make it an environmental and economical storage drive than traditional hard disk drives.

In addition, enhanced data integrity is enabled by a powerful LDPC ECC engine in the device correcting. With the advantages mentioned above, SC series is proved to be the ideal companion for PC and laptop users.

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

Features:

- SATA 6.0 Gb/s interface compliance
- Outstanding read/write performance
- Supports SATA Power Management
- Powerful LDPC ECC engine
- Supports S.M.A.R.T. commands
- TRIM

General Product Specifications

SATA SSD SC Series



Specifications					
Interface	SATA 6 Gb/s interface				
SATA III Burst Speed	600 MB/s				
Capacity ¹	120, 240GB				
Performance ²	120 GB	Read: up to 525 MB/s; Write: up to 380 MB/s			
	240 GB	Read: up to 530 MB/s; Write: up to 410 MB/s			
Form Factor	2.5 inch				
ECC	LDPC				
NAND flash	3D TLC				
MTBF	2,000,000 hours				
Operating Voltage	5V ± 5%				
Power consumption ³ (unit: mW)	Capacity	Operating	Idle	Partial	Slumber
	120 GB				
	240 GB				
Dimension	100.10mm(L) x 69.85mm(W) x 7.00mm(H)				
Reliability Features	S.M.A.R.T, TRIM, Wear-leveling				
Temperature	Operating	0°C to 70°C			
	Storage	-40°C to 85°C			
Humidity	RH 90% under 40°C				
Shock ⁴	500G/2ms				
Vibration ⁵	80 – 2000Hz/20G				
Acoustic	0dB				
Warranty	2 years				
Package Content	Industrial package				
Certifications	RoHS, CE, FCC, BSMI				

Ordering Information

Capacity	Part Number
30 GB	AP030GSC25
60 GB	AP060GSC25
120 GB	AP120GSC25
240 GB	AP240GSC25
480 GB	AP480GSC25

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.

³ Power consumption were measured at 5.0V and results may vary from flash configurations or host system settings.

⁴ Shock and vibrations are subject to change without notice.

960 GB	AP960GSC25
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Revision History

Version	Description	Date
1.0	Official release	06/03/2016
1.1	Revised warranty period	06/13/2016
1.2	Simplified model name to “SC series”	06/28/2016
1.3	- Revised performance values for 480 GB - Revised power consumption values - Deleted endurance specifications - Added 960GB support	08/03/2016
1.4	Revised package content from retail package to industrial package	08/10/2016
1.5	Added 30GB support	09/02/2016

Apacer Technology Inc.

1F., No.32, Zhongcheng Rd., Tucheng Dist., New Taipei City

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

www.apacer.com

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