

## **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 380 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 ECC engine in the device correcting up to 120bit per 2KB data. 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 ECC engine correcting up to 120bit/2KB
- Supports S.M.A.R.T. commands
- TRIM

## General Product Specifications

Specifications					
Interface	SATA 6 Gb/s interface				
SATA III Burst Speed	600 MB/s				
Capacity <sup>1</sup>	32 GB				
Performance <sup>2</sup>	Capacity	Read		Write	
	32 GB	Up to 380 MB/s		Up to 85 MB/s	
Form Factor	2.5 inch				
NAND Flash Media	MLC				
ECC	Up to 120bit/2KB				
MTBF	1,000,000 hours (approx.)				
Operating Voltage	5V ± 5%				
Power Consumption <sup>3</sup> (unit: mW)	Capacity	Operating	Idle	Partial	Slumber
	32 GB	240	50	50	30
Dimensions	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 <sup>4</sup>	500G/2ms				
Vibration <sup>4</sup>	80 – 2000Hz/20G				
Acoustic	0dB				
Warranty	3 years or 300 P/E cycles (whichever occurs first)				
Package Content	Industrial package				
Certifications	RoHS, CE, FCC, BSMI				

### Global Offices

#### Taiwan (HQ)

**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  
[amtsales@apacer.com](mailto:amtsales@apacer.com)

#### 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)

#### Japan

**Apacer Technology Corp.**  
5F, Matsura Bldg., Shiba, Minato-Ku  
Tokyo, 105-0014, Japan  
Tel: 81-3-5419-2668  
Fax: 81-3-5419-0018  
[jpservices@apacer.com](mailto:jpservices@apacer.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  
[sale@apacer.nl](mailto:sale@apacer.nl)

#### China

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

#### 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)

<sup>1</sup> 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.

<sup>2</sup> Performance results may vary from flash configurations or host system settings. Test results are based on ATTO platform.

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

<sup>4</sup> Shock and vibrations are subject to change without notice.

## Ordering Information

Capacity	Part Number
32 GB	AP032GSC25

## Revision History

Version	Description	Date
1.0	Official release	9/12/2017

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

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