

Apacer SC Series 480GB

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 525 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.

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

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

SATA SSD SC Series 480GB



General Product Specifications

Specifications			
Interface	SATA 6 Gb/s interface		
SATA III Burst Speed	600 MB/s		
Capacity ¹	480 GB		
Performance ² (MB/s)	Capacity	Sequential Read	Sequential Write
	480 GB	525	480
Form Factor	2.5 inch		
NAND Flash Media	MLC		
ECC	Up to 120bit/2KB		
MTBF	1,000,000 hours		
Operating Voltage	5V ± 5%		
Power Consumption ³ (unit: mA)	Capacity	Operating	Idle
	480 GB	770	35
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	
Shock ⁴	1500G/0.5ms		
Vibration ⁴	10 – 2000Hz/15G		
Acoustic	0dB		
Warranty	2 years		
Package Content	Industrial package		
Certifications	RoHS, CE, FCC, BSMI		

Ordering Information

Capacity	Part Number
480 GB	AP480GSC25

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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.

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.

SATA SSD
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Revision History

Version	Description	Date
1.0	Official release	2/13/2017

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