

2.5" SATA SSD 480GB & 512GB Specification

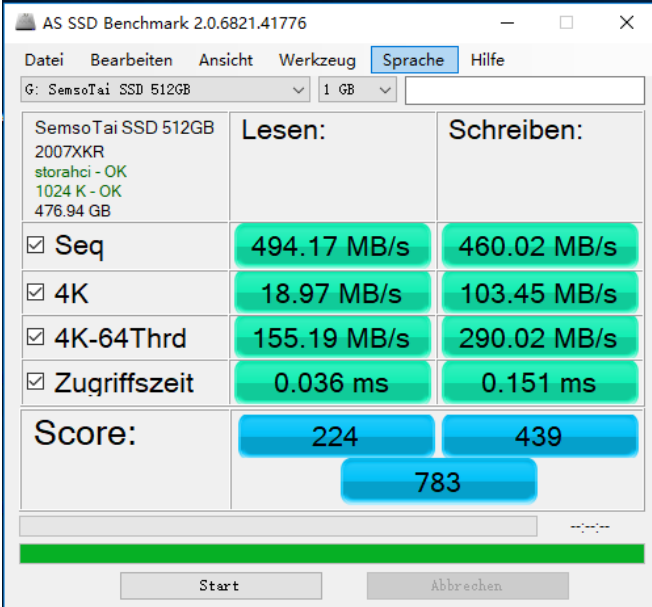


Made by	Audit by	Date
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Item	Model Name	2.5 " SATA SSD		
Solution	Capacity	480GB/512GB		
	Controller/FLASH	SMI +SanDisk SMI 2258XT+INTEL N18		
	Flash Type	TLC (Flash)		
	Cache	N/A		
	Case	N/A		
	Case color	N/A		
	Size	53.5*42.65*5.65mm (Length×Width×Height)		
	Interface	Standard SATAIII, SATA3.0, 22 Pin , 6Gbps		
	Operating System	Windows XP, Windows 7, Windows 8, Windows 10, Windows 2003, Windows 2008, DOS, Linux, Unix		
Performance	Capacity	512GB	480GB	
	Channel	4CH	4CH	
	Speed up to (MB/s) Read/Write	494/460	494/460	
	4K-64Thrd Read (MB/s)	155	155	
	4K-64Thrd Write (MB/s)	290	290	
	Average Access time	0.15ms		
	Electric	Input Voltage	5V ±5%	
Stand by		0.6W		
Working		3.8W		
Reliability and Stability	Lifetime	8years (100GB/day)		WLE; WAF;
	Date Retention time	10 years under 25°C		
	ECC	66-bit/1KB		
	FLASH Management	Bad block management algorithm		
Environ	Working	0°C~70°C		



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ment	Temperature	
	Storage Temperature	-20~75°C
	Humidity	5-95%
Certification	CE, ROHS, FCC	
Mass Production	Started	NO EOL
Testing Platform	CPU: Ryzen 3 1200 CPU @ 3.10GHz Chipset: AMD® GA-B450 Express Chipset Memory OS: Microsoft Windows 10 Professional 64-bit AHCI Driver: Intel Chipset SATA AHCI Controller 10.5.1.1001 BIOS Settings: AHCI Mode	
Screen print of AS SSD Benchmark Testing		

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Remark	Different test parameters from different platforms and flash configurations will be slightly different
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