



GIONEDA (SHENZHEN) TECHNOLOGY CO., LTD

2.5" SATA SSD 256GB

Specification

Version: A0

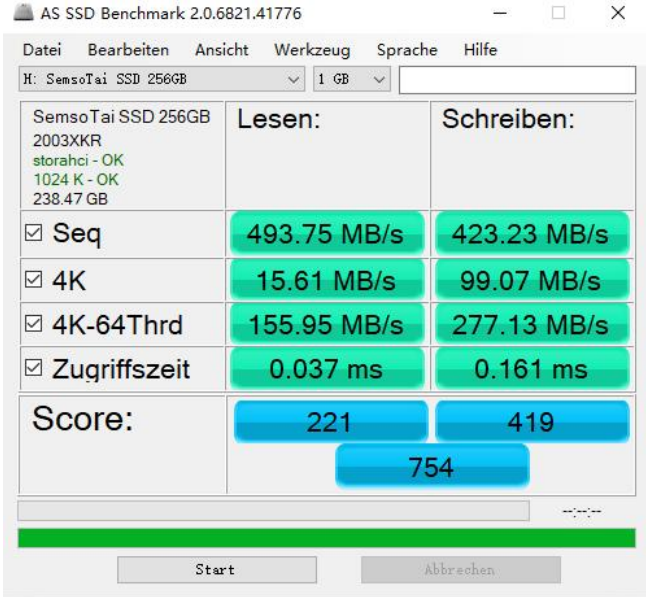
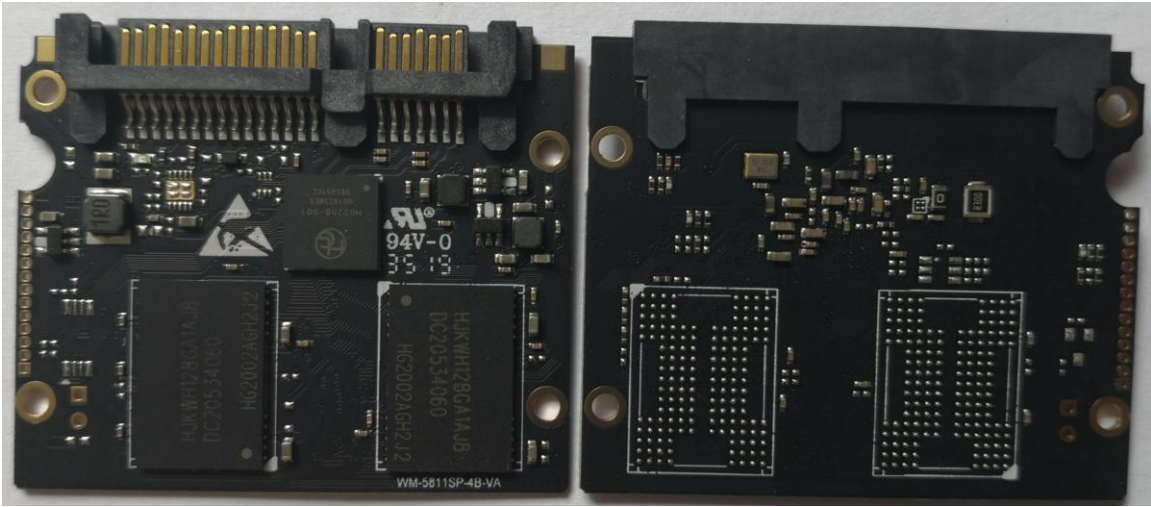
Made by	Audit by	Date
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Item	Model Name	2.5 " SATA SSD				
Solution	Capacity	256GB				
	Controller/FLASH	Phison + SK				
	Flash Type	TLC (Flash)				
	Cache	N/A				
	Case	N/A				
	Case color	N/A				
	Size	53.5*42.65*5.65mm (Length×Width×Height)				
	Interface	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	256GB				
	Channel	4CH				
	Speed up to (MB/s)	493/423				
	Read/Write					
	4K-64Thrd Read(MB/s)	155				
	4K-64Thrd Write(MB/s)	277				
	Average Access time	0.15ms				

Electric	Input Voltage	5V±5%	
	Standby	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	
Environment	Working Temperature	0°C ~ 70°C	
	Storage Temperature	-20 ~ 75°C	
	Humidity	5-95%	
	Certification	CE,ROHS,FCC	
Mass Production	Started	NO EOL	
Test 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
Screenprint of AS SSD Benchmark Test	
Product Image	
Remark	Different test parameters from different platforms and flash configurations will be slightly different