



2.5" SATA SSD 240GB & 256GB
Specification



Made by	Audit by	Date
Mr. ARUN	Mr. Iex	2020. 5. 22

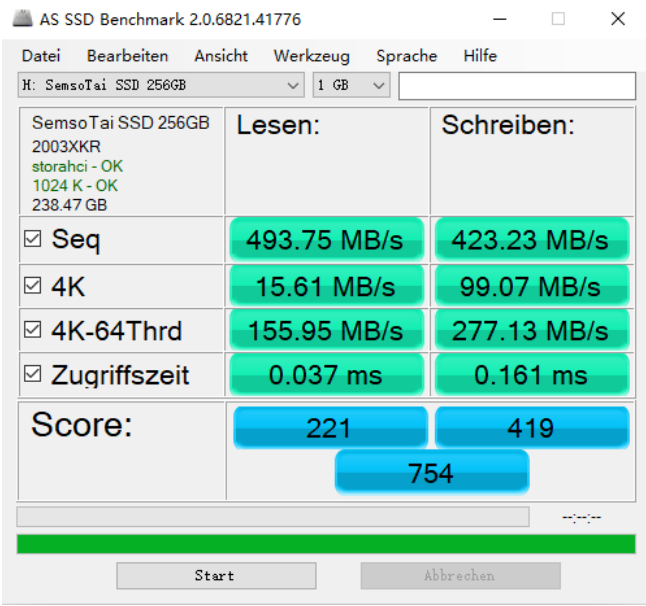


Item	Model Name	2.5 " SATA SSD	
Solution	Capacity	240GB/256GB	
	Controller/FLASH	SMI/Phison/YEESTOR with FLASH micron/sandisk/INTEL N18	
	Flash Type	TLC (Flash)	
	Cache	N/A	
	Case	N/A	
	Case color	N/A	
	Size	53.5*42.65*5.65mm (Length×Width×Height)	
	Interface	Standard SATAIII, SATA3.0, 22 Pin , 6Gbps	
	Operating System	Windows XP, Windows 7, Windows 8, Windows 10, Windows 2003, Windows 2008, DOS, Linux, Unix	
Performance	Capacity	256GB	240GB
	Channel	4CH	4CH
	Speed up to (MB/s) Read/Write	520/440	493/423
	4K-64Thrd Read (MB/s)	155	155



	4K-64Thrd Write (MB/s)	277	277	
	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		
Environment	Working Temperature	0°C~70°C		
	Storage Temperature	-20~75°C		
	Humidity	5-95%		
Certification	CE, ROHS, FCC			
Mass Production	Started	NO EOL		

ValueTech

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	 <table border="1"><thead><tr><th>Test</th><th>Lesen:</th><th>Schreiben:</th></tr></thead><tbody><tr><td>Seq</td><td>493.75 MB/s</td><td>423.23 MB/s</td></tr><tr><td>4K</td><td>15.61 MB/s</td><td>99.07 MB/s</td></tr><tr><td>4K-64Thrd</td><td>155.95 MB/s</td><td>277.13 MB/s</td></tr><tr><td>Zugriffszeit</td><td>0.037 ms</td><td>0.161 ms</td></tr><tr><td>Score:</td><td>221</td><td>419</td></tr><tr><td></td><td colspan="2">754</td></tr></tbody></table>	Test	Lesen:	Schreiben:	Seq	493.75 MB/s	423.23 MB/s	4K	15.61 MB/s	99.07 MB/s	4K-64Thrd	155.95 MB/s	277.13 MB/s	Zugriffszeit	0.037 ms	0.161 ms	Score:	221	419		754	
Test	Lesen:	Schreiben:																				
Seq	493.75 MB/s	423.23 MB/s																				
4K	15.61 MB/s	99.07 MB/s																				
4K-64Thrd	155.95 MB/s	277.13 MB/s																				
Zugriffszeit	0.037 ms	0.161 ms																				
Score:	221	419																				
	754																					

ValueTech

Product
s Image



Remark

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

ValueTech



ValueTech

