



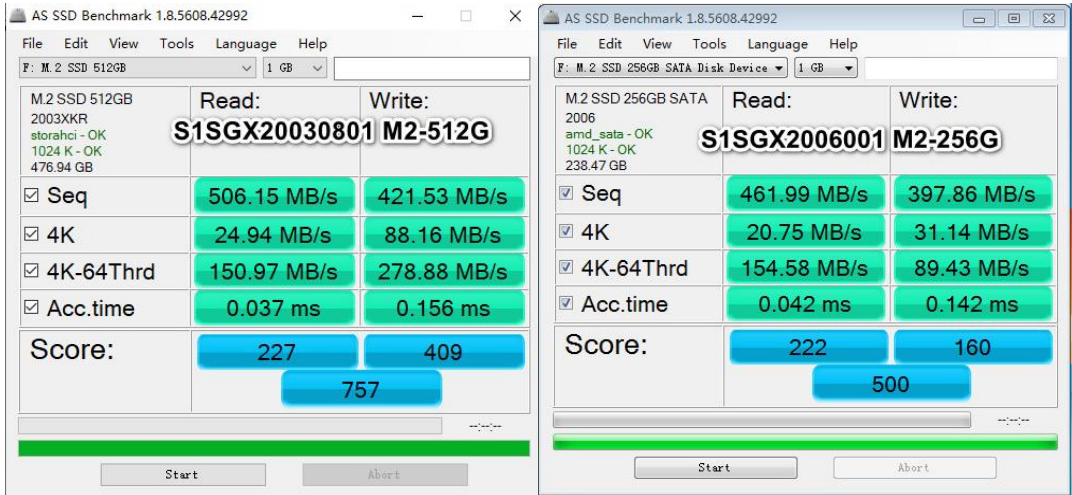
M. 2 128GB/256GB/512GB/1TB
NGFF 2280
Specification

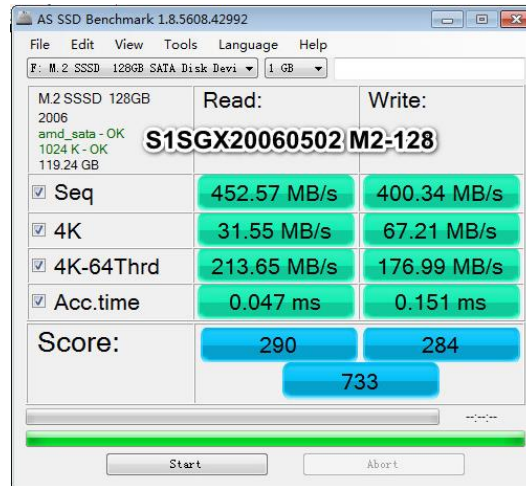
Made by	Audit by	Date
Mr. Arun Pandey	Mr. LEX	2020. 6. 6

Item	Model Number	M. 2 SATA				
Solution	Capacity	128GB/256GB/512GB/1TB				
	Controller/FLASH	SMI +SanDisk				
	Flash Type	TLC (Flash)				
	Cache	N/A				
	Case	N/A				
	Case color	N/A				
	Size	80*22*0.8mm (Length×Width×Height)				
	Interface	Standard M. 2 (B key-NGFF) Interface 22Pin , 6Gbps				
	Operating System	Windows XP, Windows 7, Windows 8, Windows 10, Windows 2003, Windows 2008, DOS, Linux, Unix				
Performance	Capacity	512GB	256GB	128GB	1TB	
	Channel	4CH	4CH	4CH	4CH	
	Speed up to (MB/s) Read/Write	506/421	461/397	452/400	520/450	
	4K-64Thrd Read (MB/s)	150				
	4K-64Thrd Write (MB/s)	278				
	Average Access time	0.15ms				
Electric	Input Voltage	5V ± 5%				
	Stanby	0.6W				
	Working	3.8W				
Reliability	Lifetime	8years (100GB/day)			WLE;	



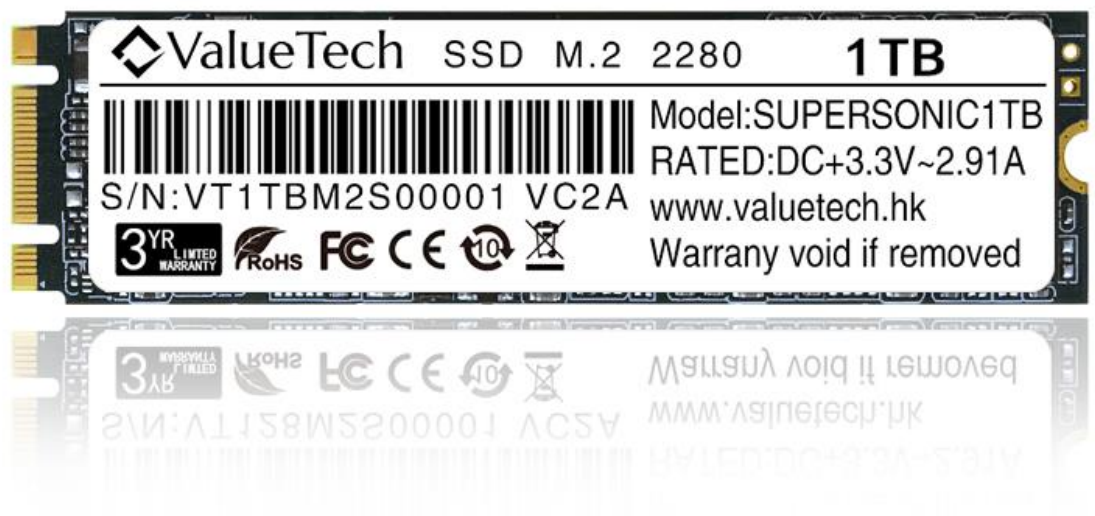
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ly and Stability	Date Retention time	10 years under 25°C	WAF;
	ECC	66-bit/1KB	
	FLASH Management	Bad block management algorithm	
Environment	Working Temperature	0°C~70°C	
	Storage Temperature	-20~75°C	
	Humidity	5-95%	
Certification	CE, ROHS, FCC		
Mass Production	Started	NO EOL	
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			

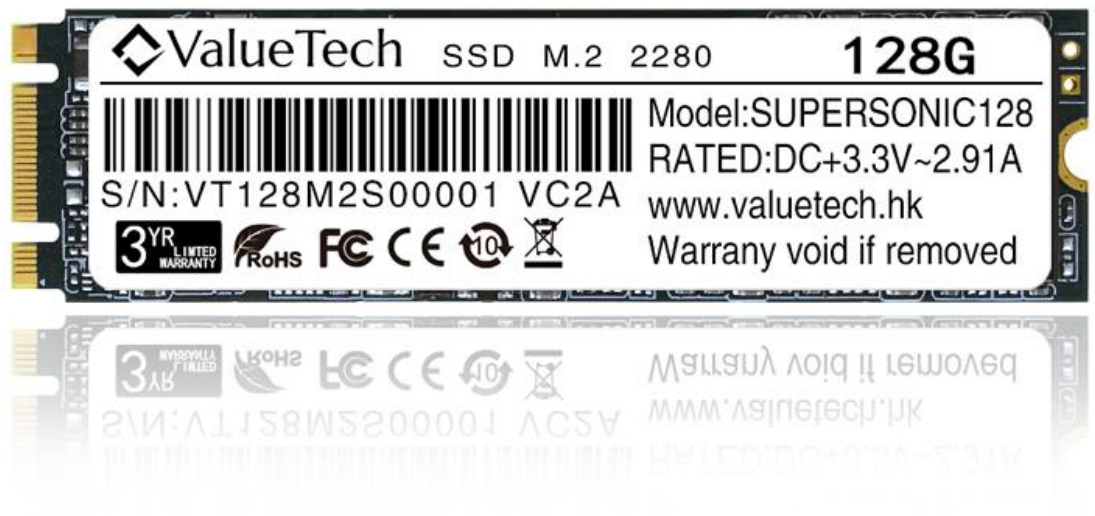


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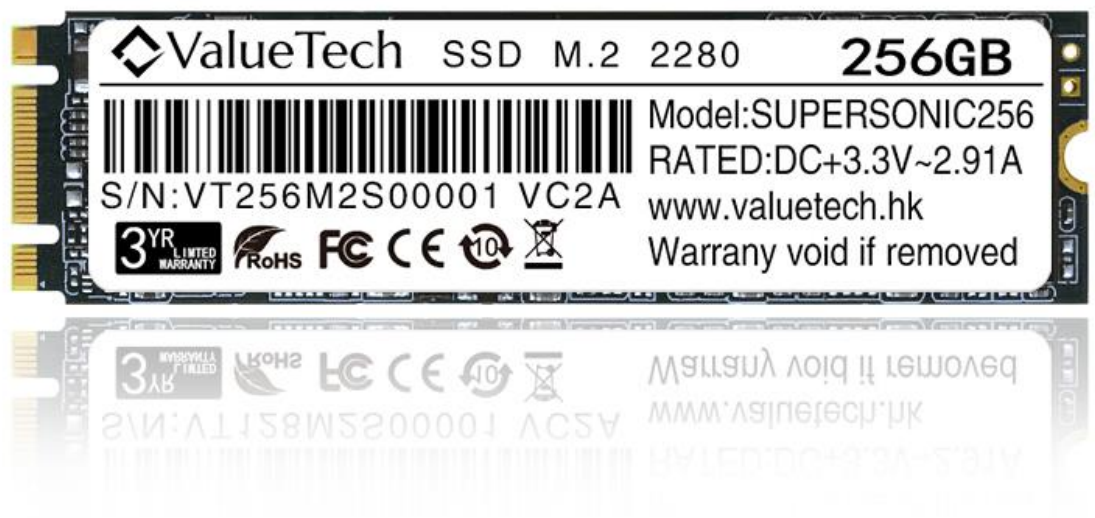
Products
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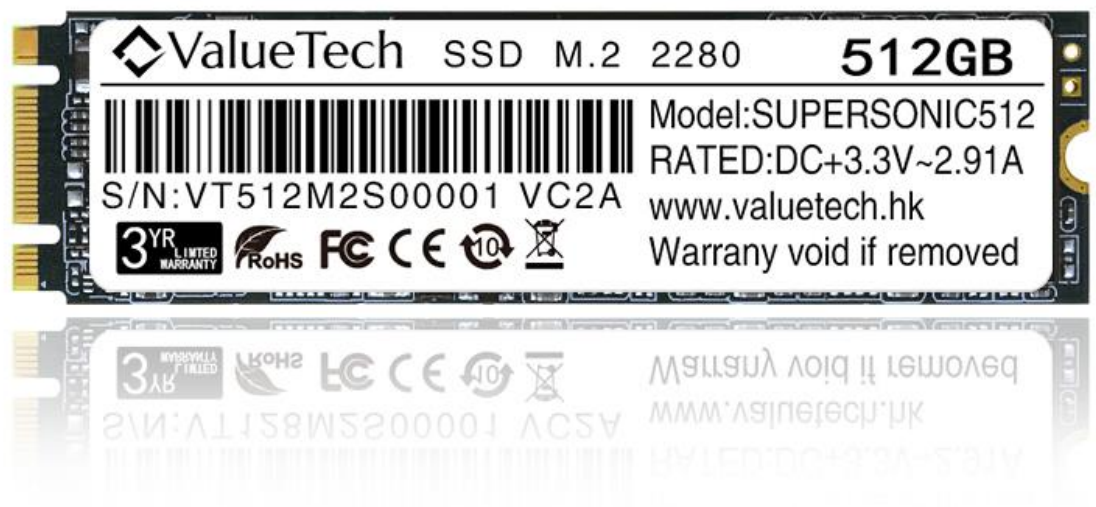


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Remark	Different test parameters from different platforms and flash configurations will be slightly different
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