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M. 2 NVME 2280  
128GB/256GB/512GB/1024GB

Specification

Made by	Audit by	Date
Mr. ARUN PANDEY	Mr. LEX	2020. 8. 3

Item	Model Name	M.2 NVME Solid State Drive				
Solution	Standard Capacity	128GB/256GB/512GB/1TB				
	Controller/FLASH	SMI+Intel/MICRON/SANDISK				
	Flash Type	TLC (Flash) 3D NAND				
	Cache	N/A				
	Case	N/A				
	Case color	N/A				
	Size	80*22*0.8mm (Length×Width×Height)				
	Interface	Standard M.2 (M key-NVME)				
	Operating System	Windows XP, Windows 7, Windows 8, Windows 10.				
Performance	Capacity	128GB	256GB	512GB	1TB	
	Channel	4CH	4CH	4CH	4CH	
	Speed up to (MB/s) Read/Write	950/610	1125/1141	1144/1388	1842/1546	
	4K-64Thrd Read (MB/s)	405	723	1344	1539	
	4K-64Thrd Write (MB/s)	331	600	600	344	
	Average Access time	0.15ms				
Power Rating	Input Voltage	3.3V ±5%				
	Stand by	0.3W				
	Working	5W				
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~85°C
	Storage Temperature	-20~85°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	

### Products Image AND Screen print of AS SSD Benchmark Testing



AS SSD Benchmark 1.8.5608.42992

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F: NVME SSD 128GB 1 GB

NVME SSD 128GB	Read:	Write:
2005XKR storvme - OK 1024 K - OK 119.24 GB	<b>S1SGX20050802 NVME-128G</b>	
<input checked="" type="checkbox"/> Seq	950.95 MB/s	609.67 MB/s
<input checked="" type="checkbox"/> 4K	40.00 MB/s	115.73 MB/s
<input checked="" type="checkbox"/> 4K-64Thrd	405.75 MB/s	331.75 MB/s
<input checked="" type="checkbox"/> Acc.time	0.026 ms	0.115 ms
Score:	541	508
	1323	

Start Abort



AS SSD Benchmark: 2.0.6694.23026

文件 编辑 查看 工具 语言 帮助

E: NVME SSD 256GB 1 GB

NVME SSD 256GB	读取:	写入:
908XKR storvme - OK 1024 K - OK 238.47 GB		
<input checked="" type="checkbox"/> 顺序	1125.59 MB/s	1141.48 MB/s
<input checked="" type="checkbox"/> 4K	36.43 MB/s	153.19 MB/s
<input checked="" type="checkbox"/> 4K 64 线程	723.44 MB/s	600.25 MB/s
<input checked="" type="checkbox"/> 访问时间	~ ms	0.083 ms
得分:	872	868
	2195	

开始 中止

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AS SSD Benchmark 2.0.6694.23026

E: NVME SSD 512GB

	读取:	写入:
顺序	1144.55 MB/s	1388.77 MB/s
4K	36.32 MB/s	149.28 MB/s
4K 64 线程	1344.81 MB/s	600.83 MB/s
访问时间	~ ms	0.081 ms
得分:	1496	889
	3163	

AS SSD Benchmark 1.8.5608.42992

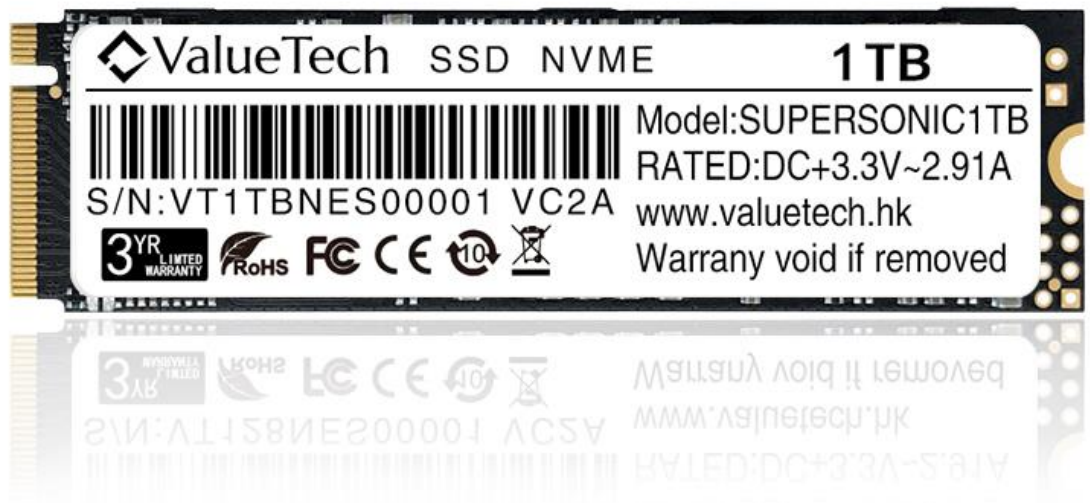
G: NVME SSD 1TB

NVME SSD 1TB  
2005KKR  
stornvme - OK  
1024 K - OK  
953.86 GB

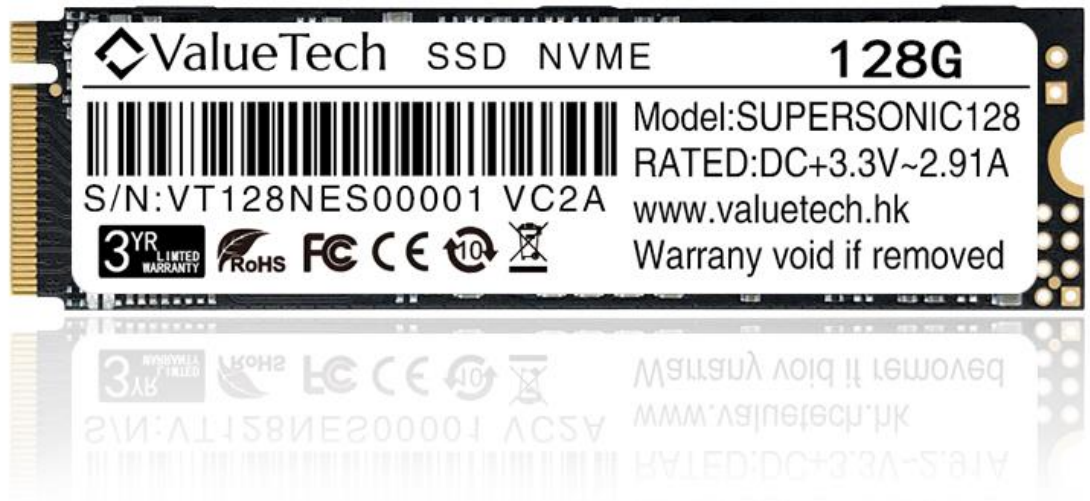
**S1SGX20050803 NVME:1TB**

	Read:	Write:
Seq	1842.02 MB/s	1546.04 MB/s
4K	41.15 MB/s	114.69 MB/s
4K-64Thrd	1539.12 MB/s	344.45 MB/s
Acc.time	0.025 ms	0.113 ms
Score:	1764	614
	3266	

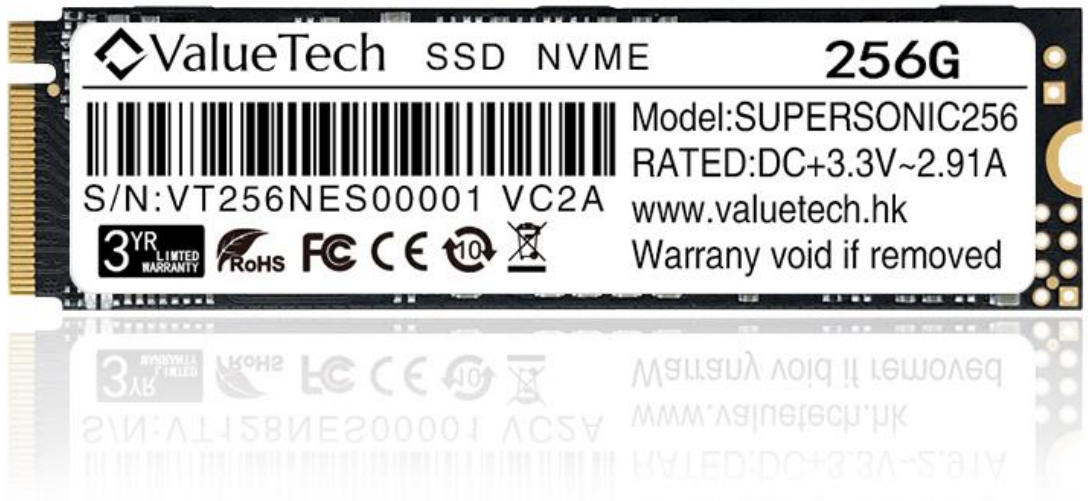
# ValueTech

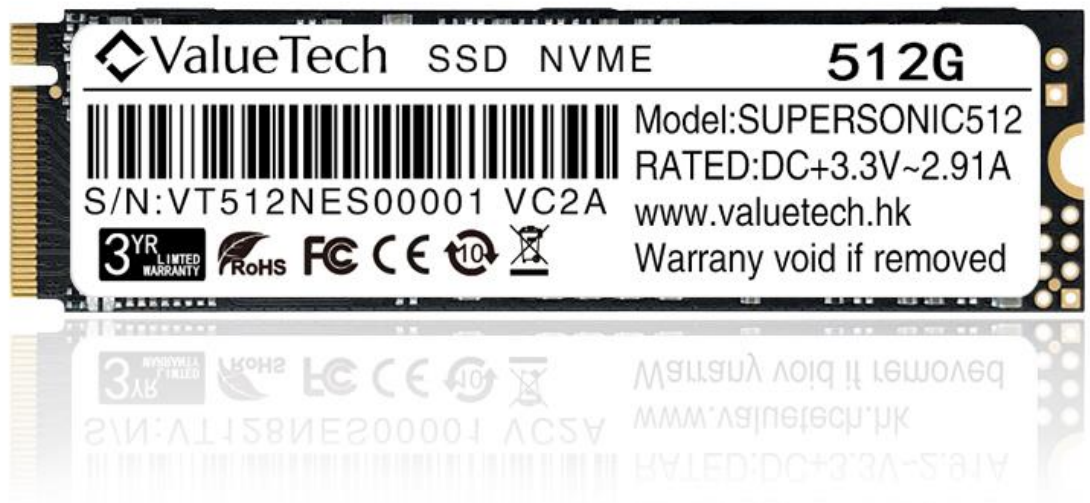


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Remark	Different test parameters from different platforms and flash configurations will be slightly different
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