

Product Qualification

--- Compatibility Test ---

Product Name: SDM6-M 7+15/180-W 8GB

Product P/N: 8Y.F1DG1.9T300BA

Firmware Version: SFPS928D

Description: SDM6-M 7+15/180-W 8GB

Controller: SRP40CB0

Flash Type: TC58TEG6DDLTA00 SDP 1CE 15nm

Qualification: Qual All

Test Result: PASS

APPROVAL					
QT	Date	Signature	Approved by	Date	Signature
Alex Lin	2016/07/08	Alex Lin	Danny Chen	2016/07/08	Danny Chen

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SUMMARY RESULT

		PC1	PC2	PC3	PC4						
Testing Product		SDM6-M 7+15/180-W 8GB									
System		Windows Emb. 8.1 Industry Pro	Fedora kernel 3.3.4 -5 fc17 / Windows Emb. 8.1 Industry Pro								
M/B	Name	GA-Z77X-D3H	QM77-A1R								
	Vendor	Gigabyte	Avalue EMX								
	Chipset	Intel Z77	Intel QM77								
	Interface	SATA III	SATA III								
	BIOS	F16	V1.1.0								
Test Result											
Basic Function Test		V	V								
Burn In Test	Comp32	V	--								
	PassMark Burn In Test Pro V8.0	V	--								
	PassMark Burn In Test Pro V3.0.1007	--	--								
Warm Boot Test		--	--								
Cold Boot Test		--	--								
		--	--								
		--	--								
Install System Test											
	Windows Emb. 7 Standard	Windows Emb. 8 Standard	Windows Emb. 8.1 Industry	Windows 10	Fedora kernel 3.3.4 -5 fc17	Ubuntu kernel 3.13.0 -32	Red Hat kernel 2.6.32 -431.e16				
Result	-	-	-	-	-	-	-				
Remark:						Test Result — PASS					

A. Function Test With M/B : Gigabyte Z170MX-Gaming5

Testing Product	SDM6-M 7+15/180-W 8GB	Testing Engineer	Alex Lin
Testing Environment	M/B: Gigabyte Z170MX-Gaming5	Chipset: Intel Z170 Interface: SATA III	BIOS: F4b

1. Basic Function Test

	Copy	Delete	Restart	Compare	Suspend (S3)	Hibernate (S4)	LED
Windows Emb. 8.1 Industry Pro	V	V	V	V	V	V	V

2. Format Test

	FAT32	NTFS
Windows Emb. 8.1 Industry Pro	7.43GB	7.45GB

3. Burn In Test

	Comp32 15 hours	Burn In Test V8.0 Pro 168 hours
Windows Emb. 8.1 Industry Pro	V	V

4. Reboot Test

	Warm Boot 6000 Cycles
Windows Emb. 8.1 Industry Pro	V

5. Test Result

Pass

B. Function Test With M/B : Avalue EMX QM77-A1R

Testing Product	SDM6-M 7+15/180-W 8GB	Testing Engineer	Alex Lin
Testing Environment	M/B: Avalue EMX QM77-A1R	Chipset: Intel QM77 Interface: SATA III	BIOS: V1.1.0

1. Basic Function Test

	Copy	Delete	Restart	Compare	Suspend (S3)	Hibernate (S4)	LED
Fedora kernel 3.3.4 -5 fc17	V	V	V	V	V	V	V

2. Test Result

Pass



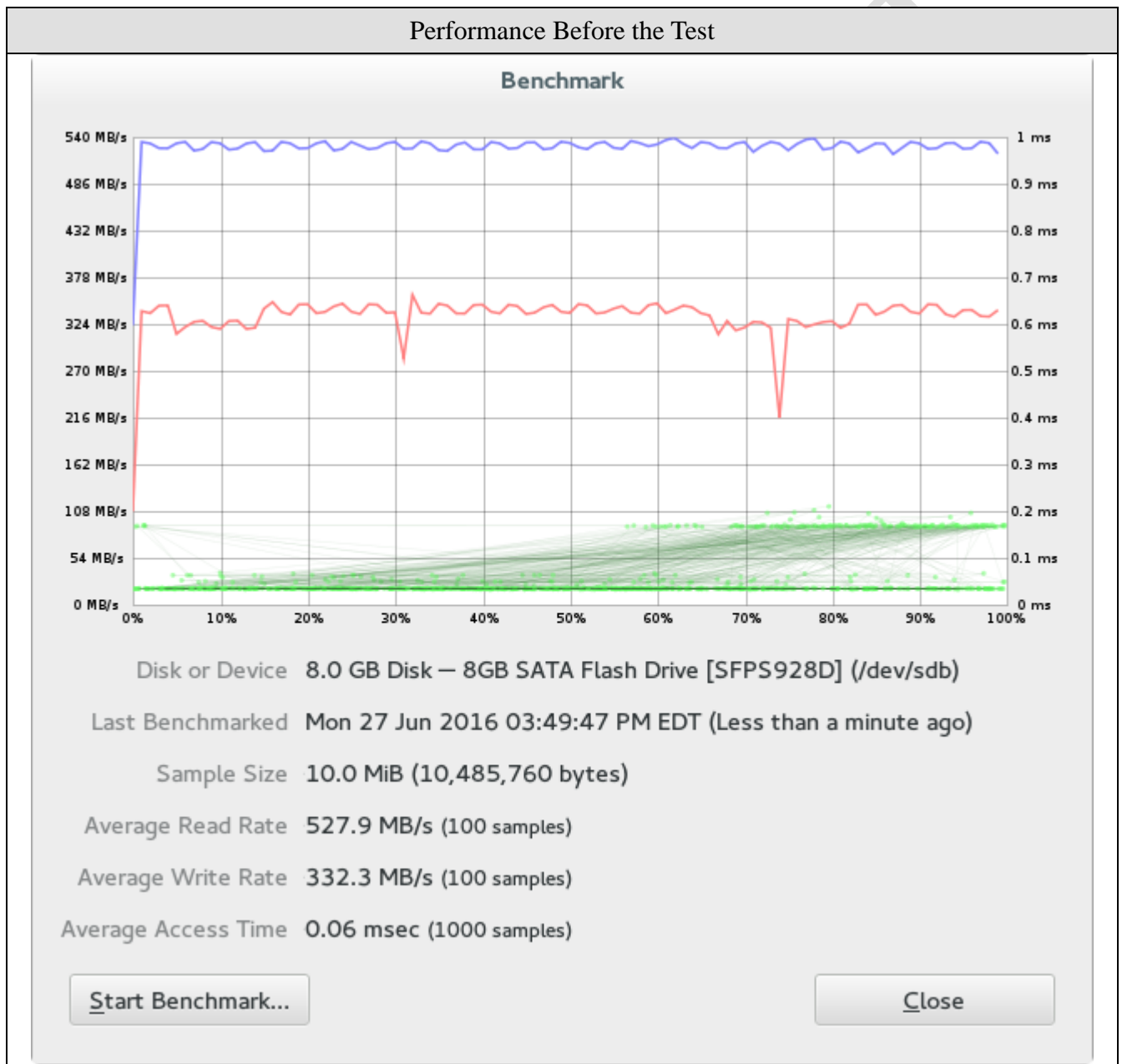
C. Performance Test With M/B : Gigabyte GA-Z77X-D3H

Testing Product	SDM6-M 7+15/180-W 8GB	Testing Engineer	Alex Lin
Testing Environment	M/B: Gigabyte GA-Z77X-D3H	Chipset: Intel Z77 Interface: SATA III	BIOS: F16
Testing Software	CrystalMark 3.0.2		

Performance Before the Test	Performance After the Test																																				
<table border="1"> <thead> <tr> <th></th> <th>Read [MB/s]</th> <th>Write [MB/s]</th> </tr> </thead> <tbody> <tr> <td>All</td> <td></td> <td></td> </tr> <tr> <td>Seq</td> <td>135.9</td> <td>30.60</td> </tr> <tr> <td>512K</td> <td>134.3</td> <td>26.80</td> </tr> <tr> <td>4K</td> <td>23.88</td> <td>29.93</td> </tr> <tr> <td>4K QD32</td> <td>61.92</td> <td>29.77</td> </tr> </tbody> </table>		Read [MB/s]	Write [MB/s]	All			Seq	135.9	30.60	512K	134.3	26.80	4K	23.88	29.93	4K QD32	61.92	29.77	<table border="1"> <thead> <tr> <th></th> <th>Read [MB/s]</th> <th>Write [MB/s]</th> </tr> </thead> <tbody> <tr> <td>All</td> <td></td> <td></td> </tr> <tr> <td>Seq</td> <td>130.5</td> <td>30.57</td> </tr> <tr> <td>512K</td> <td>133.5</td> <td>26.63</td> </tr> <tr> <td>4K</td> <td>24.27</td> <td>29.75</td> </tr> <tr> <td>4K QD32</td> <td>57.68</td> <td>29.61</td> </tr> </tbody> </table>		Read [MB/s]	Write [MB/s]	All			Seq	130.5	30.57	512K	133.5	26.63	4K	24.27	29.75	4K QD32	57.68	29.61
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D. Performance Test With M/B : Asus Maximus VI Hero

Testing Product	SDM6-M 7+15/180-W 8GB	Testing Engineer	Alex Lin
Testing Environment	M/B: ASUS Maximus VI Hero	Chipset: Intel Z87 Interface: SATA III	BIOS: 0224
Testing Software	Ubuntu 14.10 Benchmark		



E. Platform Compatibility Test

Platform	Chipset	M/B	Interface	System	Result
PC1	Intel G35	Asus P5E-VM HDMI	SATA II	Win7	V
PC2	Intel P55	Asus P7P55D	SATA II	Win7	V
PC3	Intel H67	Gigabyte PH67A-D3-B3	SATA III	Win8.1	V
PC4	Intel Z68	Asus P8Z68-M Pro	SATA III	Win8.1	V
PC5	Intel Z77	Gigabyte IVB	SATA III	Win8.1	V
PC6	Intel Z87	Asus Maximus VI Hero	SATA III	Win8.1	V
PC7	Intel Z77	GA-Z77X-D3H	SATA III	Win8.1	V
PC8	Intel QM77	Avalue EMX QM77-A1R	SATA III	Win8.1	V
PC9	AMD 780G	Ausu M3A78-EM	SATA II	Win7	V
PC10	AMD 785G	Asus M4A785D-M Pro	SATA II	Win7	V
PC11	AMD 790FX	Asus M4A79T Deluxe	SATA III	Win8.1	V
PC12	AMD 790GX	Asus M4A78T-E	SATA III	Win8.1	V
PC13	AMD A88X	Asus A88XM-A	SATA III	Win8.1	V

F. Additional Qualification:

1. Environmental

- 1. RoHS Standard 2011/65/EU / PCRD005
- 2. Other Environmental Standard REACH / China RoHS
- 3. WEEE (By Product) 2012/19/EU
- 4. Battery Standard N/A
- 5. Packing Standard 94/62/EC
- 6. Others N/A

2. Certification

- 1. CE No. _____
- 2. FCC No. _____
- 3. BSMI No. _____
- 4. VCCC No. _____
- 5. C-tick No. _____
- 6. Other _____

Apacer