

Product Qualification

--- Compatibility Test ---

Product Name: SFD25H1-M 128GB

Product P/N: 86.32EN8.4T7HC

Firmware Version: SFPS925A_DEVSLP

Description: SFD25H1-M 128GB

Flash Type: TC58TFG7DDLTA0D

Qualification: Qual Flash

Test Result: Pass

APPROVAL					
QT	Date	Signature	Approved by	Date	Signature
Alex Lin	2015/10/30	Alex Lin	Danny Chen	2015/10/30	<i>Danny Chen</i>

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SUMMARY RESULT

		PC1	PC2	PC3	PC4	PC5					
Testing Product		SFD25H1-M 128GB									
System		Windows 7 Windows 8									
M/B	Name	P8Z77-V Pro									
	Vendor	Asus									
	Chipset	Intel Z77									
	Interface	SATA III									
	BIOS	1206									
Test Result											
Basic Function Test		√									
Burn In Test	Comp32	√									
	Iometer 2006.07.27RC3	√									
	PassMark Burn In Test Pro V6.0.1018	√									
	Warm Boot Test	√									
Cold Boot Test		--									
Power Failure Test		--									
Temp 60°C Burn In Test		--									
Install System Test											
	Windows CE	Windows XP Embedded	Windows Emb. 7 Standard	Windows Emb. 8 Standard	Windows Emb. 8.1 Industry	Windows 7	Windows 8.1	Windows 10	Fedora 17	Ubuntu 12.04	Red Hat 6.3
Result	√	√	√	√	√	√	√	√	√	√	√
Remark:							Test Result — PASS				

A. Function Test With M/B : Asus P8Z77-V Pro

Testing Product	SFD25H1-M 128GB	Testing Engineer	Alex Lin
Testing Environment	M/B: Asus P8Z77-V PRO	Chipset: Intel Z77 Interface: SATA III	BIOS: 1206

1. Basic Function Test

	Copy	Delete	Restart	Compare	Suspend (S3)	Hibernate (S4)	LED
Win 7	V	V	V	V	V	V	V
Win 8	V	V	V	V	V	V	V

2. Format Test

	FAT32	NTFS
Win 7	--	119GB
Win 8	--	119GB

3. Burn In Test

	Comp32 15 hours	Iometer(2006.07.27-RC3) 15 hours	Burn In Test V6.0 Pro 48 hours
Win 7	V	V	V

4. Reboot Test

	Warm Boot 2000 Cycles
Win 7	V

5. Install System Test

Install System	Result
Install Windows CE System	V
Install Windows XP Embedded System	V
Install Windows Embedded Standard 7 System	V
Install Windows Embedded 8 Standard System	V
Install Windows Embedded 8.1 Industry Pro System	V
Install Windows 7 System	V
Install Windows 8.1 System	V
Windows 10 Multiple Edition	V
Windows 10 Enterprise	V
Install Fedora 17 System	V
Install Ubuntu 12.04 System	V
Install Red Hat 6.3 System	V

6. Test Result

Pass

B. Performance Test With M/B : Asus Z87-A

Testing Product	SFD25H1-M 128GB	Testing Engineer	Alex Lin
Testing Environment	M/B: ASUS Z87-A	Chipset: Intel Z87 Interface: SATA III	BIOS: 0801
Testing Software	CrystalDiskMark 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>Seq</td> <td>410.9</td> <td>178.3</td> </tr> <tr> <td>512K</td> <td>191.6</td> <td>140.7</td> </tr> <tr> <td>4K</td> <td>37.07</td> <td>76.98</td> </tr> <tr> <td>4K QD32</td> <td>146.7</td> <td>91.18</td> </tr> </tbody> </table>		Read [MB/s]	Write [MB/s]	Seq	410.9	178.3	512K	191.6	140.7	4K	37.07	76.98	4K QD32	146.7	91.18	<table border="1"> <thead> <tr> <th></th> <th>Read [MB/s]</th> <th>Write [MB/s]</th> </tr> </thead> <tbody> <tr> <td>Seq</td> <td>416.3</td> <td>120.3</td> </tr> <tr> <td>512K</td> <td>187.0</td> <td>81.37</td> </tr> <tr> <td>4K</td> <td>37.68</td> <td>57.88</td> </tr> <tr> <td>4K QD32</td> <td>147.5</td> <td>65.85</td> </tr> </tbody> </table>		Read [MB/s]	Write [MB/s]	Seq	416.3	120.3	512K	187.0	81.37	4K	37.68	57.88	4K QD32	147.5	65.85
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C. 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 _____