

Product Qualification

--- Compatibility Test ---

Product Name: M.2 2242 P100-M 64GB

Product P/N: APM2T42P100064GAN-GTM1

Firmware Version: SFPS925A

Test Result: Pass

APPROVAL					
QT	Date	Signature	Approved by	Date	Signature
Alex Lin	2015/09/25	Alex Lin	Danny Chen	2015/09/25	<i>Danny Chen</i>

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SUMMARY RESULT

		PC1	PC2	PC3	PC4	PC5					
Testing Product		M.2 2242 P100-M 64GB									
System		Windows 8 Windows 10									
M/B	Name	Z170-A									
	Vendor	Asus									
	Chipset	Intel Z170									
	Interface	SATA III									
	BIOS	0502									
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 Z170-A

Testing Product	M.2 2242 P100-M 64GB	Testing Engineer	Alex Lin
Testing Environment	M/B: ASUS Z170-A	Chipset: Intel Z170 Interface: SATA III	BIOS: 0502

1. Basic Function Test

	Copy	Delete	Restart	Compare	Suspend (S3)	Hibernate (S4)	LED
Win 8	V	V	V	V	V	V	V
Win 10	V	V	V	V	V	NA	V

2. Format Test

	FAT32	NTFS
Win 8	--	59.6GB
Win 10	--	59.6GB

3. Burn In Test

	Comp32 15 hours	Iometer(2006.07.27-RC3) 15 hours	Burn In Test V6.0 Pro 48 hours
Win 10	V	V	V

4. Reboot Test

	Warm Boot 2000 Cycles
Win 10	V

5. Install System Test

Install System	Result
Install Windows CE 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

B. Test Result

Pass

C. Performance Test With M/B : Asus P8Z77-V PRO

Testing Product	M.2 2242 P100-M 64GB	Testing Engineer	Alex Lin
Testing Environment	M/B: ASUS P8Z77-V PRO	Chipset: Intel Z77 Interface: SATA III	BIOS: 1206
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>All</td> <td>504.4</td> <td>176.8</td> </tr> <tr> <td>Seq</td> <td>268.6</td> <td>114.1</td> </tr> <tr> <td>512K</td> <td>39.18</td> <td>69.24</td> </tr> <tr> <td>4K</td> <td>173.3</td> <td>76.99</td> </tr> <tr> <td>4K QD32</td> <td>494.6</td> <td>79.48</td> </tr> </tbody> </table>		Read [MB/s]	Write [MB/s]	All	504.4	176.8	Seq	268.6	114.1	512K	39.18	69.24	4K	173.3	76.99	4K QD32	494.6	79.48	<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>259.7</td> <td>29.71</td> </tr> <tr> <td>Seq</td> <td>36.13</td> <td>42.23</td> </tr> <tr> <td>512K</td> <td>187.0</td> <td>46.43</td> </tr> <tr> <td>4K</td> <td></td> <td></td> </tr> <tr> <td>4K QD32</td> <td></td> <td></td> </tr> </tbody> </table>		Read [MB/s]	Write [MB/s]	All	259.7	29.71	Seq	36.13	42.23	512K	187.0	46.43	4K			4K QD32		
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D. 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 _____