

## Product Qualification

### --- Compatibility Test ---

**Product Name:** M.2 PT42 32GB supported UEFI mode  
**Product P/N:** APP032G3FB-BTM  
**Firmware Version:** SFPS925A  
**Description:** M.2 PT42 32GB supported UEFI mode  
**Controller:** ASMedia ASM1062 QFN64 C-grade  
**Flash Type:** uSDC-M Plus 32GB  
**Qualification:** Qual All  
**Test Result:** PASS

APPROVAL					
QT	Date	Signature	Approved by	Date	Signature
Martin Chiang	2017/02/17	<i>Martin Chiang</i>	Danny Chen	2017/02/17	<i>Danny Chen</i>

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## SUMMARY RESULT

		PC1	PC2	PC3	PC4		
Testing Product		M.2 PT42 32GB supported UEFI mode					
System		Windows 10 Enterprise	Windows embedded standard 7				
M/B	Name	Z170-A	H97M-E				
	Vendor	ASUS	ASUS				
	Chipset	Intel Z170	Intel H97				
	Interface	SATA III	SATA III				
	BIOS	1702	2602				
<b>Test Result</b>							
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		V	--				
Cold Boot Test		--	V				
<b>Install System Test</b>							
	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	V	V	V	V	V	V	V
<b>Remark:</b>		Test Result — PASS					

## A. Function Test With M/B : Gigabyte GA-Z170X Gaming 3

<b>Testing Product</b>	M.2 PT42 32GB supported UEFI mode	<b>Testing Engineer</b>	Martin Chiang
<b>Testing Environment</b>	<b>M/B:</b> Gigabyte GA-Z170X Gaming 3	<b>Chipset:</b> Intel Z170 <b>Interface:</b> SATA III	<b>BIOS:</b> F5b

### 1. Basic Function Test

	Copy	Delete	Restart	Compare	Suspend (S3)	Hibernate (S4)	LED
Windows 10 Enterprise	V	V	V	V	V	V	V

### 2. Format Test

	FAT32	NTFS
Windows 10 Enterprise	29.7GB	29.8GB

### 3. Burn In Test

	Comp32 15 hours	Burn In Test V8.0 Pro 168 hours
Windows 10 Enterprise	V	V

### 4. Reboot Test

	Warm Boot 6000 Cycles
Windows 10 Enterprise	V

### 5. Install System Test

Install System	Result
Windows Embedded Standard 7	V
Windows Embedded 8 Standard	V
Windows Embedded 8.1 Industry Pro	V
Windows 10 Enterprise	V
Windows 10 Multiple Edition	V

### 6. Test Result

Pass
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**B. Function Test With M/B : Asus H97M-E**

<b>Testing Product</b>	M.2 PT42 32GB supported UEFI mode	<b>Testing Engineer</b>	Martin Chiang
<b>Testing Environment</b>	<b>M/B:</b> Asus H97M-E	<b>Chipset:</b> Intel H97 <b>Interface:</b> SATA III	<b>BIOS:</b> 2602

1. Basic Function Test

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

2. Reboot Test

	Cold Boot 6000 Cycles
Windows Embedded 8.1 Industry Pro	V

3. Install System Test

Install System	Result
Windows Embedded Standard 7	V
Windows Embedded 8 Standard	V
Windows Embedded 8.1 Industry Pro	V
Windows 10 Enterprise	V
Windows 10 Multiple Edition	V
Fedora kernel 3.3.4 -5	V
Ubuntu kernel 3.13.0 -32	V
Red Hat Kernel 2.6.32 -431.e16	V

4. Test Result

Pass

## C. Performance Test With M/B : Gigabyte GA-Z170X Gaming 3

<b>Testing Product</b>	M.2 PT42 32GB supported UEFI mode	<b>Testing Engineer</b>	Martin Chiang
<b>Testing Environment</b>	<b>M/B:</b> Gigabyte GA-Z170X Gaming 3	<b>Chipset:</b> Intel Z170 <b>Interface:</b> SATA III	<b>BIOS:</b> F5b

OS : Windows 10 / Performance Tool : CrystalDiskMark 5.1.2	
Before the Test	After the Test

OS : Ubuntu 15.01 / Performance Tool : Benchmark	
Performance Before the Test	

**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 \_\_\_\_\_

