

Product Qualification

--- Compatibility Test ---

Product Name : EM110-eMMC 16GB

Product P/N : AM6.112EBA.001

Qualification : Qual. All

Test Result : PASS

QT	Approved	Date
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Test Result Summary				
Product Name		EM110-eMMC 16GB		
Platform Information				
Vendor	GIGABYTE			
Motherboard	X58A-UD3R			
Chipset	Intel® X58			
BIOS	FH			
Operating System	Win 10			
Test Result				
Function Operation Test	Base Function	V		
	Performance	V		
Stress Test		V		
Remark				
PASS				

A. Function Operation Test

1. Base Function Test

Test Item	Test method	Pass criteria	Result
Copy	Executing Files copy on DUT	No error allowed in each stage	PASS
Delete	Executing Files delete on DUT		PASS
Restart	Executing reboot on DUT		PASS
Compare	Executing data compare on DUT		PASS
Sleep	Make DUT into sleep/awake		PASS

2. Performance

Test Condition	Performance (Write Cache on)	
Test Content: 1024MB HS400: Normal Status	R (MB/s)	W (MB/s)
	225	60
	Performance (Write Cache off)	
	R (MB/s)	W (MB/s)
	225	25

Note : Results may differ from various flash configurations or host system setting.

B. Stress Test

1. Stress Test

Test Item	Test method	Pass criteria	Result
Stress Test	Test duration : 48 hours Utility : PassMark BurnIn	The test result show PASS	PASS

Test Item	Test method	Pass criteria	Result
Stress Test	P0002_Background_Operations	Test no protocol error , no compare fail , no timeout issue , no card lock (assert).	PASS
	P0003_Boot_Operation		PASS
	P0004_Bus_Testing		PASS
	P0005_Cache		PASS
	P0009_Erase_Discard_Trim_Sanitize		PASS
	P0011_Lock_Unlock		PASS
	P0013_HPI		PASS
	P0014_Illegal_Command		PASS
	P0017_Normal_Partition		PASS
	P0018_Normal_Read_Write		PASS
	P0019_Packed_CMD		PASS
	P0020_Initial		PASS
	P0021_Real_Time_Clock		PASS
	P0022_Reliable_Write		PASS
	P0023_Sleep		PASS
	P0025_Tag		PASS
	P0026_Write_Protection		PASS
	P0030_Power_Notification		PASS
	P0032_CID_CSD_EXTCS		PASS
	P0036_FFU		PASS
P0038_RPMB	PASS		
P0039_PSA	PASS		
P0040_CMDQ	PASS		

C. Additional Qualification:

1. Environmental

- 1. RoHS Standard 2011/65/EU , 2015/863/EU
- 2. Other Environmental Standard EC/1907/2006 ,(EU)757/2010,(EC)850/2004
- 3. WEEE (By Product) 2012/19/EU
- 4. Battery Standard N/A
- 5. Packing Standard 94/62/EC, 2013/2/EU
- 6. Others GB/T 26572-2011

2. Certification

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