

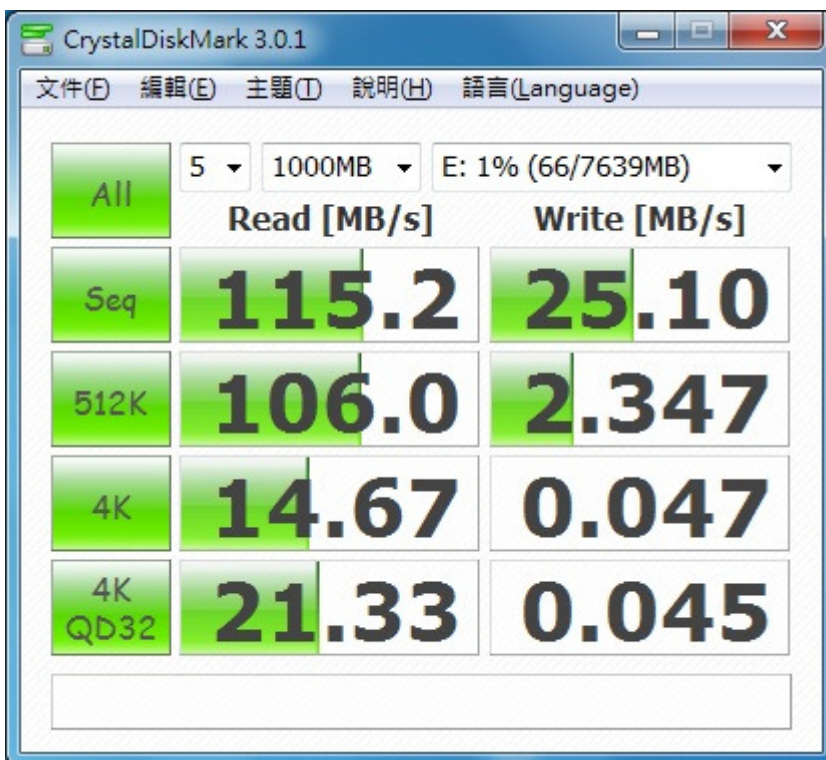
**Function test**

<b>P/N:</b>	8Y.F1BD4.LR25B
<b>F/W:</b>	SFDDA01C
<b>Flash Type:</b>	MT29F16G08CBACAWP:C*4
<b>Description:</b>	SDM4-M 22P 180D-W 8GB (HF)
<b>Controller</b>	Apacer SCJA65 1231 BGFA0 A E749J0012
<b>Test Result:</b>	Pass
<b>Prepared By:</b>	Martin Chiang
<b>Approval By:</b>	Danny Chen
<b>Date:</b>	2012/11/09
<b>File Name:</b>	8Y.F1BD4.LR25B (SDM4-M 22P 180D-W HF 8GB)

System Configuration				
M/B/ Chipset	GA-EP45-UD3LR / Intel P45 / ICH10R			
SDM4-M 22P 180D-W	8GB			
Test Program result				
Function test (Windows platform)	Win XP		Win 7	
	PASS	FAIL	PASS	FAIL
Data access	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data Delete	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data Compare	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Restart	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Suspend	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Format Size	FAT32:7.44GB	NTFS:7.45GB	FAT32:7.44GB	NTFS:7.45GB
Install Windows CE System	Pass			
Install Windows XP-E System	Pass			
Install Windows embedded standard 7 System	Pass			
Install Windows XP SP2 System	Pass			
Rebooter Test 1000 Cycle	Pass			
Long-run Iometer(2006.07.27-RC3)-15hr	Pass			
Long-run Comp32 15hrs	Pass			
Long-run BurnIn Test V4.0 Pro-48hr	Pass			

System Configuration		
M/B/ Chipset	GA-8I955X Pro / Intel 955X / ICH7R	
SDM4-M 22P 180D-W	8GB	
Test Program result		
<i>Function test (Windows platform)</i>	Linux (3.3.4-5..fc17)	
	PASS	FAIL
Data access	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data Delete	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Data Compare	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Restart	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Suspend	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Long-run BurnIn -48hr for Linux	Pass	

- Crystal Disk Mark 3.0.1



**Environmental**

- 1. RoHS Standard \_\_\_\_\_
- 2. Other Environmental Standard \_\_\_\_\_
- 3. WEEE (By Product) \_\_\_\_\_
- 4. Battery Standard \_\_\_\_\_
- 5. Packing Standard \_\_\_\_\_
- 6. Others \_\_\_\_\_

**Certification**

- 1.  CE No. \_\_\_\_\_
- 2.  FCC No. \_\_\_\_\_
- 3.  BSMI No. \_\_\_\_\_

## Reliability test

Testing equipment:

1. Chamber: KING SON KSON KS-9001, S/N: 001
2. Vibration tester: KING DESIGN KD-9363EM-600F2K-50N120, S/N: KDS11054783
3. Controller: DACTRON COMET USB, S/N: 9478158
4. Controller accelerometer: Wilcoxon Research WR-777, S/N:4208
5. Shock testing system: KING DESIGN DP-1200-60, S/N: R2110086489
6. Controller: KING DESIGN DP-1200-03C, S/N: KD674
7. Accelerometer: B & K 4398, S/N: 2209044
8. Shock testing system: KING DESIGN DP-1200-18, S/N:KDS02197998
9. Controller: KING DESIGN DP-1200-03C, S/N: KD674
10. Accelerometer: DYTRAN3200B2T, S/N: 2657

Testing environment:

1. Temperature: 21.5°C (25±10 °C)
2. Relative humidity: 63% RH (50±25 RH)

Testing results:

### 1. Temperature test

	Temperature (°C)	Duration	Result
Non-operating	-40	96hrs	Pass
	100	96hrs	Pass
Operating	0	96hrs	Pass
	70	96hrs	Pass

### 2. Vibration test

#### 1) Sine vibration test (Non-operation)

Frequency: 10Hz to 2000Hz

Displacement: 1.52mm (10Hz to 70 Hz)

Accelerate: 15g (70Hz to 2000Hz)

Sweep rate: 20 min/cycle

Test axis: X, Y, Z axis

Test time: 1hour (each axis)

Total test time: 3 hours

#### 2) Random vibration test (operation)

Reference to MIL-STD 810G 514.6 category 24

Frequency: 20Hz to 2000Hz

Accelerate: 7.69g rms

P.S.D: 0.04g<sup>2</sup>/Hz (20Hz to 1000Hz)

:-6 dB/Oct (1000Hz to 2000Hz)

Test axis: X, Y, Z axis

Test time: 1hour (each axis)

Total test time: 3 hours

### 3. Shock test

#### 1) Wave form: half sine wave (non-operation)

Acceleration: 1500g

Duration time: 0.5 ms

No. of shock: each axis 3 times

Shock direction: ±X, ±Y, ±Z axis

#### 3) Half sine wave (operation)

Acceleration: 50g

Duration time: 11 ms

No. of shock: each axis 3 times

Shock direction: ±X, ±Y, ±Z axis

Test results:

Describe	Pass	fail	Non-judgement
Function judgment (1)	v	--	--
Appearance check (2)	v	--	--
(1):burn in function was normal after the test			
(2): No visible damages were found after the test			