

# 96SD2-2G800NN-TR1

## Test Report

<b>Test Requestor</b>	Feng.Qin	<b>Job Title</b>		<b>Release Date</b>	2010-11-26
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<b>Approved by</b>	Sophie.Song	<b>Job Title</b>		<b>Release Status</b>	Formal Release

**1. Product Information:**

Advantech Part Number	<b>96SD2-2G800NN-TR1</b>
Manufacturer	<b>Transcend</b>
Part Number	TS256MSQ64V8U
Memory Chip	SEC K4T1G084QE 128X8
ECC&REG	NO ECC&REG
Description	200PIN DDR2 800 SO-DIMM 2048MB With 128Mx8 CL6
RoHS Status (Yes/No)	YES
Product Photo	



## 2. Test Software

- 1) CPU-Z Test;
- 2) MemTest86+V4.10;
- 3) SiSoftware Sandra Lite 2009.SP4;
- 4) PCMark05 V1.20;
- 5) Power on/off test;
- 6) Burn\_inV6.0.

## 3. Test Criteria

- 1) Windows xp/7 can be installed and boot into OS properly;
- 2) BIOS and OS should show the correct Memory size;
- 3) In single channel, run Power on/off 10 times, successful boot rate 100% in every DIMM socket;
- 4) In dual channel and full loading, run Power on/off 10 times, successful boot rate 100% in every combination DIMM socket;
- 5) MemTest86+V4.10 should show the correct Memory size;
- 6) CPU-Z of SPD can be detecting the correct Memory information;
- 7) And different frequencies, FSB, core, Mfg. Tech of CPU(contains the min and max of frequency, FSB),run MemTest86+ V4.10 3 Cycles No error(memory full loading); run burn in V6.0 for 3H,set CPU/2D/3D/Memory loading 100%, ,then the result should be Passed (dual channel for two memory );
- 8) Run SiSoftware Sandra Lite 2009.SP4 and PCMark05 V1.20, record the benchmark score;
- 9) Memory in full loading ,run power on off 100 times, successful boot rate 100%.
- 10) Memory in full loading, run Burn\_inV6.0 for 12H, set CPU/2D/3D/Memory loading 100%; the result should be passed.

## 4. Test Result

Test Platform	Core Chipset	CPU information	Testing Result	Note
PCM-9362N	Atom D510+ICH8M	Onboard Intel Pineview-M 1.66GHz FSB:667	PASS	
PCM-4381	915GME + ICH6M	DOTHAN Pentium® M 760 2.0GHZ FSB:533	PASS	
		DOTHAN Intel Celeron M 370 1.5GHZ FSB:400	PASS	
		BANIAS Intel® Pentium® M 1.60 GHz FSB:400	PASS	
PCM-9591	AMD M690E+SB600	AMD Turion 64 X2 TL-62 (2100MHZ)FSB:1600	PASS	
		Mobile AMD Sempron 3500+(1800MHZ)	PASS	
		AMD Sempron 64 2100+(1000MHZ)	PASS	
PCM-8200	945GME+ICH7M	Core™2 Duo Mobile T7400 2.16GHZ FSB:667	PASS	
		Core Solo T1300 1.66GHZ FSB:667	PASS	
		Core Solo CeleronM 440 1.86GHZ FSB:533	PASS	
PCI-7020	945GC+ ICH7	Core2 Duo E7300(2.66GHZ)FSB:1066	PASS	
		Core2 Duo 6300 (1.86GHZ)FSB:1066	PASS	
		Intel Pentium Dual-Core E2160 (1.8GHZ)FSB:800	PASS	
		Celeron D 352 (3.2GHZ)FSB:533	PASS	
PCI-7031	Atom D510+ICH8M	Onboard Intel Atom D510 1.66GHz	PASS	

## 5. Appendix

NA