

Memory Rev.A1

96D3-2G1333NN-AP1 Test Report

Test Requestor	Jocy.lin	Job Title]	Release Date	2011-1-14
Testing Engineer	Jier.liu	Job Title	R	Revision	V1.0
Approved by	Sophie.Song	Job Title		Release Status	Formal Release



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1. Product Information:

Advantech Part Number	96D3-2G1333NN-AP1	
Manufacturer	Apacer	
Part Number	78.A1GDE.AF00C	
Memory Chip	Hynix H5TQ2G838FR H9C (258X8)	
ECC®	NO ECC®	
Description	DDR3 UDIMM 10600-9 256x8 2GB HYN G	
RoHS Status (Yes/No)	YES	
Product Photo		





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2. Test Software

- 1) CPU-Z Test;
- 2) MemTest86+V4.10;
- 3) Sisoftware Sandra2010.SP3(16.67);
- 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 Sandra2010.SP3 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.



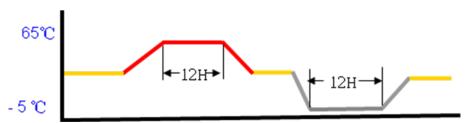
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4. Test Result

1) Room Temperature

Test Platform	Core Chipset	CPU information	Testing Result	Note
AIMB-780Q	Intel® Q57	Intel® Core™ I5-750(2.66GHZ)FSB:1333	PASS	
		Intel Core I3-540(3.06GHZ)FSB:1333	PASS	
		Intel® Pentium® G6950(2.80GHZ)FSB:1066	PASS	
PCE-5125Q	Intel® Q57	Intel® Core™ I7-860 (2.80GHZ)FSB:1333	PASS	
		Intel® Core™ I5-660(3.33GHZ)FSB:1333	PASS	
		Intel Core I3-530(2.93GHZ)FSB:1333	PASS	
PCE-5125W	Intel3450(WS version) Chipset	Intel® Xeon® Processor X3450 (2.66GHZ)FSB:1333	PASS	
		Intel® Pentium® G6950(2.80GHZ)FSB:1066	PASS	

2) High/Low temperature



Test Platform	Core Chipset	CPU information	Testing Result	Note
AIMB-780W	Intel3450(WS version) Chipset	Intel® Xeon® Processor X3450 (2.66GHZ)FSB:1333	PASS	
		Intel® Core™ I5-650(3.20GHZ)FSB:1333	PASS	

5. Appendix