

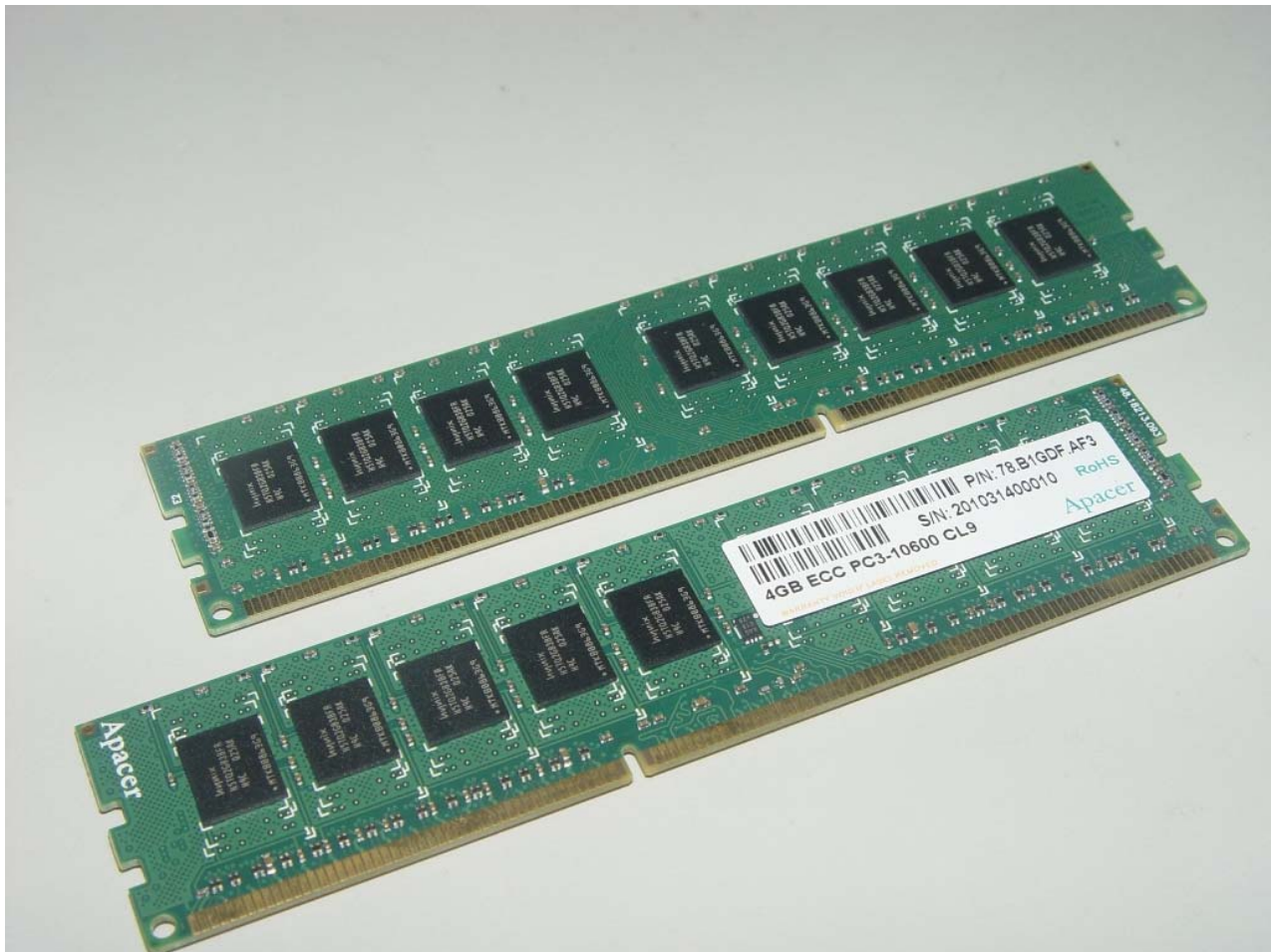
96D3-4G1333E-AP

Test Report

Test Requestor	Jocy.lin	Job Title		Release Date	2010-9-13
Testing Engineer	Jier.liu	Job Title		Revision	V1.0
Approved by	Sophie.song	Job Title		Release Status	Formal Release

1. Product Information:

Advantech Part Number	96D3-4G1333E-AP
Manufacturer	Apacer
Part Number	78.B1GDF.AF3
Memory Chip	HYNIX H5TQ2G83BFR
ECC®	ECC
Description	DDR3 ECC DIMM 10600-9 256x8 4GB HY G
Dimension	133.35x30.00x4.00(mm)
RoHS Status (Yes/No)	YES
Product Photo	



2. Test Software

- 1) CPU-Z Test;
- 2) MemTest86+V4.00;
- 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+V4.00 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+ V4.00 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
PCE-5125WG2	Intel 3450	Intel® Xeon® Processor X3450 (2.66GHZ)FSB:1333	PASS	
		Intel® Core™ I5-660(3.33GHZ)FSB:1333	PASS	
		Intel Core I3-540(3.06GHZ)FSB:1333	PASS	
		Intel® Pentium® G6950(2.80GHZ)FSB:1066	PASS	
AIMB-780W	Intel 3450	Intel® Xeon® Processor X3450 (2.66GHZ)FSB:1333	PASS	
		Intel® Pentium® G6950(2.80GHZ)FSB:1066	PASS	
		Intel® Core™ I5-650(3.20GHZ)FSB:1333	PASS	
		Intel Core I3-530(2.93GHZ)FSB:1333	PASS	

5. Appendix

Note:

Following the slot combination, the memory can't boot or all capacity can't recognition, because of the AIMB-780W limitation:

DIMMA2、DIMMB2、DIMMA2+B2--(NO bootable);

DIMMA2+B1、DIMMA2+B2、DIMMB2+A1、DIMMA2+B2+B1、DIMMA2+A1+B2--(can't recognition all capacity).