

## CPU Test:

### Procedure:

- (i) Install O.S.
- (ii) Run 3DMark 2006 Professional Edition Build Ver. 1.2.0 BenchMark - 3 times.
- (iii) Run S1/S3/S4/S5 - 3 times.

No.	CPU	Type	Result
1	Intel / 3.4GHz	Core i7-3770 (IvyBridge/E0-QC1W) / LGA1155	Pass
2	Intel / 3.3GHz	Core i3-3220 (IvyBridge/E0-QC8H) / LGA1155	Pass
3	Intel / 3.4GHz	Core i7-2600 (SandyBridge/D2-SR00B) / LGA1155	Pass
4	Intel / 3.3GHz	Core i5-2500K (SandyBridge/D2-SR008) / LGA1155	Pass
5	Intel / 3.3GHz	Core i5-2500 (SandyBridge/D2-SR00T) / LGA1155	Pass
6	Intel / 3.1GHz	Core i5-2400 (SandyBridge/D2-SR00Q) / LGA1155	Pass
7	Intel / 2.7GHz	Core i5-2390T (SandyBridge/Q0-SR065) / LGA1155	Pass
8	Intel / 2.8GHz	Core i5-2300 (SandyBridge/D2-SR00D) / LGA1155	Pass
9	Intel / 3.1GHz	Core i3-2105 (SandyBridge/Q0-SR0BA) / LGA1155	Pass
10	Intel / 3.1GHz	Core i3-2100 (SandyBridge/Q0-SR05C) / LGA1155	Pass
11	Intel / 2.9GHz	Pentium-G850 (SandyBridge/Q0-SR05Q) / LGA1155	Pass

**Procedure:**

- (i) Install O.S.**
- (ii) Run 3DMark Vantage Professional Build 1.1.0 - 3 times.**
- (iii) Run S1/S3/S4/S5 - 3 times.**

No.	CPU	Type	Result
1	Intel / 3.0GHz	Core i5-3550S (IvyBridge/E0-QC14) / LGA1155	Pass
2	Intel / 2.9GHz	Core i5-2310 (SandyBridge/D2-SR02K) / LGA1155	Pass
3	Intel / 3.3GHz	Core i3-2120 (SandyBridge/Q0-SR05Y) / LGA1155	Pass
4	Intel / 2.8GHz	Pentium-G840 (SandyBridge/Q0-SR05P) / LGA1155	Pass
5	Intel / 2.6Hz	Pentium-G620 (SandyBridge/Q0-SR05R) / LGA1155	Pass

## DDR3 SO-DIM Module Test:

### Procedure:

- (i) Install O.S.
- (ii) Run 3DMark 2006 Professional Edition Build Ver. 1.2.0 BenchMark - 3 times.
- (iii) Run S1/S3/S4/S5 - 3 times.

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
1	Transcend	Micron	8GB	PC3-12800 (DDR3-1600)	1ZD27-D9PBC	TS1GSK64V6H 1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass
2	Apacer	Micron	8GB	PC3-12800 (DDR3L-1600)	2ED27-D9PCP	75.C93DL.G000C 1.35V/1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass
3	Apacer	Hynix	4GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	78.B2GCJAF10C 1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
4	Hynix	Hynix	4GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	HMT351S6BFR8C-PBNO 1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
5	A-Data	ELPIDA	4GB	PC3-12800 (DDR3-1600)	J2108BCSE-GN-F	SU3S1600C4G11-B 1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
6	INNODISK	Micron	4GB	PC3-12800 (DDR3L-1600)	1XM77-D9PFJ	M3SP-4GMJDL0C-M 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
7	Apacer	Micron	4GB	PC3-12800 (DDR3L-1600)	2DM77-D9PFJ	75.B83DL.G000C 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
8	Hynix	Hynix	2GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	HMT325S6BFR8C-PBNO 1.5V [256Mx8b-x8/256Mx64b,CL=11]	Pass
9	A-Data	ELPIDA	2GB	PC3-12800 (DDR3-1600)	J2108BCSE-GN-F	EL74C1B08 10281590 1.5V [256Mx8b-x8/256Mx64b,CL=11-11-11]	Pass
10	INNODISK	Micron	2GB	PC3-12800 (DDR3-1600)	1WM77-D9PFJ	M3SP-2GMJCL0C-M 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
11	Hynix	Hynix	1GB	PC3-12800 (DDR3-1600)	H5TQ2G63BFR PBC	HMT312S6BFR6C-PBNO 1.5V [128Mx16b-x4/128Mx64b,CL=11]	Pass
12	Transcend	Micron	8GB	PC3-10600 (DDR3-1333)	1ZD27-D9PBC	TS1GSK64V3H 1.5V [512Mx8b-x16/1024Mx64b,CL=9]	Pass
13	A-Data	ELPIDA	8GB	PC3-10600 (DDR3-1333)	J4208BBBG-GN-F	EL731D167HZ1 1.5V [512Mx8b-x16/1024Mx64b,CL=9]	Pass
14	Transcend	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83AFR H9C	TS512MSK64V3N 1.5V [256Mx8b/512Mx64b, Timings(Max)= 9-9-9-24]	Pass
15	Kingston	ELPIDA	4GB	PC3-10600 (DDR3-1333)	J2108BASE-DJ-F	KVR1333D3S9/4G 1.5V [256Mx8b/512Mx64b, Timings(Max)= 9-9-9-24]	Pass
16	DSL	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3SH56082XH15AA 1.5V	Pass
17	Crucial	Micron	4GB	PC3-10600 (DDR3-1333)	ICD77D9LGK	CT51264BC1339.16FR 1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
18	Transcend	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83CFR H9C	TS512MSK64V3N 1.5V [256Mx8b-*16/512Mx64b,CL=9]	Pass
19	Transcend	SEC	4GB	PC3-10600 (DDR3-1333)	K4B2G0846C	TS512MSK64V3N 1.5V [256Mx8b-*16/512Mx64b,CL=9]	Pass

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
20	Apacer	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83CFR PBC	75.B83C7.G090C 1.5V [256Mx8b-*16/512Mx64b,CL=9]	Pass
21	Apacer	ELPIDA	4GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.B2GCL4210C 1.35V [256Mx8b-x16/512Mx64b,CL=9]	Pass
22	Transcend	Hynix	4GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS512MSK64W3N 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
23	ELPIDA	SILICON	2GB	PC3-10600 (DDR3-1333)	J1108BABG-DJ-E	SP002GBSTU133S02 1.5V [128Mx8b/256Mx64b,CL=9-9-9-24]	Pass
24	DSL	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3SH56081XH15AA 1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
25	Transcend	ELPIDA	2GB	PC3-10600 (DDR3-1333)	J1108BFBG-DJ-F	TS256MSK64V3U 1.5V [128Mx8b-*16/256Mx64b,CL=9]	Pass
26	Transcend	SEC	2GB	PC3-10600 (DDR3-1333)	K4B2G0846C	TS256MSK64V3N-I 1.5V [256Mx8b-*8/256Mx64b,CL=9]	Pass
27	Transcend	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	TS256MSK64V3N 1.5V [256Mx8b-*8/256Mx64b,CL=9]	Pass
28	Transcend	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83CFR H9C	TS256MSK64V3N 1.5V [256Mx8b-*8/256Mx64b,CL=9]	Pass
29	Transcend	SEC	2GB	PC3-10600 (DDR3-1333)	K4B2G0846C	TS256MSK64V3N 1.5V [256Mx8b-*8/256Mx64b,CL=9]	Pass
30	Apacer	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83CFR PBC	75.A83C7.G090C 1.5V [256Mx8b-*8/256Mx64b,CL=9]	Pass
31	Apacer	ELPIDA	2GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.A2GCL4200C 1.35V [256Mx8b-x8/256Mx64b,CL=9]	Pass
32	Transcend	Hynix	2GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS256MSK64W3N 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
33	Apacer	Apacer	1GB	PC3-10600 (DDR3-1333)	AM505808FEQSBG 1138BFAZ	AS01GFA33C9NBGC 1.5V	Pass
34	DSL	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	D3SH28081XH15AA 1.5V [128Mx8b-*8/128Mx64b,CL=9]	Pass
35	Apacer	ELPIDA	1GB	PC3-10600 (DDR3-1333)	J1108BFBG-DJ-F	78.02GC6.420 1.5V [128Mx8b-x8/128Mx64b,CL=9]	Pass
36	Crucial	Micron	1GB	PC3-10600 (DDR3-1333)	0NDI2-D9LGQ	CT12864BC1339.4FD 1.5V [128Mx16b-x4/128Mx64b,CL=9]	Pass
37	Transcend	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83TFR H9C	TS128MSK64V3U 1.5V [128Mx8b-x8/128Mx64b,CL=9]	Pass
38	Transcend	SEC	1GB	PC3-10600 (DDR3-1333)	K4B1G0846G	TS128MSK64V3U 1.5V [128Mx8b-x8/128Mx64b,CL=9]	Pass
39	Transcend	Hynix	4GB	PC3-8500 (DDR3-1066)	H5TQ2G83AFRH9C	TS512MSK64V1N 1.5V [256Mx8b/512Mx64b,CL=7-7-7-20]	Pass
40	Kingston	ELPIDA	4GB	PC3-8500 (DDR3-1066)	J2108BASE-DJ-F	KVR1066D3S7/4G 1.5V [128Mx8bits/128Mx64bits,CL=7]	Pass
41	A-Data	A-Data	2GB	PC3-8500 (DDR3-1066)	AD30908C8D-18GG	AD31066002GOS (AD7YG1B16723) 1.5V [128Mx8bits/256Mx64bits,CL=7-7-7-20]	Pass

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
42	SILICON	S-POWER	2GB	PC3-8500 (DDR3-1066)	IOYT3NO	SP002GBSTU106S02 1.5V [128Mx8b/256Mx64b,CL=7-7-7-20]	Pass
43	Apacer	Apacer	1GB	PC3-8500 (DDR3-1066)	AM5D5808MIJSBG 1.5V	AM5D5808MIJSBG 1.5V	Pass
44	Transcend	SEC	1GB	PC3-8500 (DDR3-1066)	K4B1G0846D	TS128MSK64V1U 1.5V±0.75 [128Mx8bits/128Mx64bits,CL=6,7,8]	Pass
45	Kingston	ELPIDA	1GB	PC3-8500 (DDR3-1066)	J1108BABG-DJ-E	KVR1066D3S7/1G 1.5V [128Mx8bits/128Mx64bits,CL=7-7-7-20]	Pass

\*Each memory module tested at room temperature.