

Reliability Test(011-0A1):

1.1 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 i7-2600 (SandyBridge/D2-SR00B) / LGA1155	Pass
2	Intel / 3.3GHz	Core i5-2500K (SandyBridge/D2-SR008) / LGA1155	Pass
3	Intel / 3.3GHz	Core i5-2500 (SandyBridge/D2-SR00T) / LGA1155	Pass
4	Intel / 3.1GHz	Core i5-2400 (SandyBridge/D2-SR00Q) / LGA1155	Pass
5	Intel / 2.7GHz	Core i5-2390T (SandyBridge/Q0-SR065) / LGA1155	Pass
6	Intel / 2.9GHz	Core i5-2310 (SandyBridge/D2-SR02K) / LGA1155	Pass
7	Intel / 2.8GHz	Core i5-2300 (SandyBridge/D2-SR00D) / LGA1155	Pass
8	Intel / 3.3GHz	Core i3-2120 (SandyBridge/Q0-SR05Y) / 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
12	Intel / 2.8GHz	Pentium-G840 (SandyBridge/Q0-SR05P) / LGA1155	Pass
13	Intel / 2.6Hz	Pentium-G620 (SandyBridge/Q0-SR05R) / LGA1155	Pass

1.2 DDR3 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	INNODISK	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	M3UN-4GHJAC09-B 1.5V	Pass
2	DSL	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3UH56082XH15AA 1.5V	Pass
3	Kingston	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	KVR1333D3N9/4G 1.5V	Pass
4	Transcend	SEC	2GB	PC3-10600 (DDR3-1333)	K4B1G0846D	TS256MLK64V3U 1.5V	Pass
5	Kingston	ELPIDA	2GB	PC3-10600 (DDR3-1333)	J1108BABG-DJ-E	KVR1333D3N9/2G 1.5V	Pass
6	Kingston	Kingston	2GB	PC3-10600 (DDR3-1333)	D1228JEHFN9D9U	KVR1333D3N9/2G 1.5V	Pass

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
7	A-Data	Micron	2GB	PC3-10600 (DDR3-1333)	OWD77D9LGK	AD3U1333C2G9-R	Pass
8	Transcend	Transcend	2GB	PC3-10600 (DDR3-1333)	TK243WAF3	JM1333KLU-2G 1.5V	Pass
9	Elixir	Elixir	2GB	PC3-10600 (DDR3-1333)	M2Y2G64CB8HA9N-CG 1.5V	M2Y2G64CB8HA9N-CG 1.5V	Pass
10	INNODISK	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	M3UN-2GHFAC09-B 1.5V	Pass
11	INNODISK	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	M3UN-2GHJBC09-B 1.5V	Pass
12	Apacer	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	78.A1GDE.AF00C	Pass
13	DSL	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3UH56081XH15AA 1.5V	Pass
14	Transcend	ELPIDA	2GB	PC3-10600 (DDR3-1333)	J1108BDBG-DJ-F	TS256MLK64V3U 1.5V	Pass
15	Crucial	Micron	2GB	PC3-10600 (DDR3-1333)	MT8JTF25664AZ-1G4D1	CT25664BA1339.8FD 1.5V	Pass
16	Transcend	ELPIDA	1GB	PC3-10600 (DDR3-1333)	J1108BABG-DJ-E	TS128MLK64V3U 1.5V	Pass
17	Kingston	ELPIDA	1GB	PC3-10600 (DDR3-1333)	J1108BABG-DJ-E	KVR1333D3N9/1G 1.5V	Pass
18	A-Data	A-Data	1GB	PC3-10600 (DDR3-1333)	AD30908C8D-151G	AD313330021OU(AD631A08)	Pass
19	INNODISK	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83DFR H9C	M3UN-1GHFBC09-D 1.5V	Pass
20	DSL	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	D3UH28081XH15AA 1.5V	Pass
21	Apacer	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	78.01GC6.AF0 1.5V	Pass
22	Kingston	Hynix	4GB	PC3-8500 (DDR3-1066)	H5TQ2G83AFR	KVR1066D3N7/4G 1.5V	Pass
23	Transcend	SEC	2GB	PC3-8500 (DDR3-1066)	K4B1G0846D	TS256MLK64V1U 1.5V	Pass
24	Transcend	ELPIDA	2GB	PC3-8500 (DDR3-1066)	J1108BDBG-DJ-F	TS256MLK64V1U 1.5V	Pass
25	INNODISK	Hynix	2GB	PC3-8500 (DDR3-1066)	H5TQ1G83BFR H9C	M3UN-2GHFACM7-B 1.5V	Pass
26	Transcend	SEC	2GB	PC3-8500 (DDR3-1066)	K4B1G0846F	TS256MLK64V1U 1.5V	Pass
27	Transcend	Hynix	2GB	PC3-8500 (DDR3-1066)	H5TQ1G83TFR-H9C	TS256MLK64V1U 1.5V	Pass
28	Kingston	ELPIDA	1GB	PC3-8500 (DDR3-1066)	J1108BDBG-DJ-F	KVR1066D3N7/1GB 1.5V	Pass
29	Transcend	SEC	1GB	PC3-8500 (DDR3-1066)	K4B1G0846D	TS128MLK64V1U 1.5V	Pass
30	TEAM	TEAM	1GB	PC3-8500 (DDR3-1066)	Xtreem TXD31024M1066HC7 1.5V	Xtreem TXD31024M1066HC7 1.5V	Pass
31	Transcend	SEC	1GB	PC3-8500 (DDR3-1066)	K4B1G0846F	TS128MLK64V1U 1.5V	Pass
32	Transcend	Hynix	1GB	PC3-8500 (DDR3-1066)	H5TQ1G83TFR-H9C	TS128MLK64V1U 1.5V	Pass

Reliability Test(AA0qt):

2.1 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/E1-SR0PK) / LGA1155	Pass
2	Intel / 3.4GHz	Core i5-3570K (IvyBridge/E1-SR0PM) / LGA1155	Pass
3	Intel / 3.3GHz	Core i5-3550 (IvyBridge/E1-SR0P0) / LGA1155	Pass
4	Intel / 3.1GHz	Core i5-3450 (IvyBridge/E1-SR0PF) / LGA1155	Pass
5	Intel / 3.0GHz	Core i5-3550S (IvyBridge/E1-SR0P3) / LGA1155	Pass
6	Intel / 2.8GHz	Core i5-3450S (IvyBridge/E1-SR0P2) / LGA1155	Pass
7	Intel / 3.4GHz	Core i7-2600 (SandyBridge/D2-SR00B) / LGA1155	Pass
8	Intel / 3.3GHz	Core i5-2500K (SandyBridge/D2-SR008) / LGA1155	Pass
9	Intel / 3.3GHz	Core i5-2500 (SandyBridge/D2-SR00T) / LGA1155	Pass
10	Intel / 3.1GHz	Core i5-2400 (SandyBridge/D2-SR00Q) / LGA1155	Pass
11	Intel / 2.7GHz	Core i5-2390T (SandyBridge/Q0-SR065) / LGA1155	Pass
12	Intel / 2.9GHz	Core i5-2310 (SandyBridge/D2-SR02K) / LGA1155	Pass
13	Intel / 2.8GHz	Core i5-2300 (SandyBridge/D2-SR00D) / LGA1155	Pass
14	Intel / 3.3GHz	Core i3-2120 (SandyBridge/Q0-SR05Y) / LGA1155	Pass
15	Intel / 3.1GHz	Core i3-2105 (SandyBridge/Q0-SR0BA) / LGA1155	Pass
16	Intel / 3.1GHz	Core i3-2100 (SandyBridge/Q0-SR05C) / LGA1155	Pass
17	Intel / 2.9GHz	Pentium-G850 (SandyBridge/Q0-SR05Q) / LGA1155	Pass
18	Intel / 2.8GHz	Pentium-G840 (SandyBridge/Q0-SR05P) / LGA1155	Pass
19	Intel / 2.6Hz	Pentium-G620 (SandyBridge/Q0-SR05R) / LGA1155	Pass

2.2 DDR3 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 & 2CD27-D9PBC	TS1GLK64V6H 1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass
2	Apacer	Hynix	4GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	78.B1GE3.AF10C 1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
3	Hynix	Hynix	4GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	HMT351U6BFR8C-PBNO 1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
4	Hynix	Hynix	2GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	HMT325U6BFR8C-PBNO 1.5V [256Mx8b-x8/256Mx64b,CL=11]	Pass
5	Transcend	Micron	8GB	PC3-10600 (DDR3-1333)	1ZD27-D9PBC	TS1GLK64V3H 1.5V [512Mx8b-x16/1Gx64b,CL=9]	Pass
6	A-Data	ELPIDA	8GB	PC3-10600 (DDR3-1333)	J4208BBBG-GN-F	EL631D1624Z1 1.5V [512Mx8b-x16/1024Mx64b,CL=9]	Pass
7	DSL	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3UH56082XH15AA 1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
8	Transcend	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83CFR H9C	TS512MLK64V3N 1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
9	Transcend	SEC	4GB	PC3-10600 (DDR3-1333)	K4B2G0846C	TS512MLK64V3N 1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
10	Apacer	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	78.A1GDE.AF00C 1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
11	Transcend	SEC	2GB	PC3-10600 (DDR3-1333)	K4B2G0846C	TS256MLK64V3N 1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
12	Kingston	ELPIDA	1GB	PC3-10600 (DDR3-1333)	J1108BABG-DJ-E	KVR1333D3N9/1G 1.5V	Pass
13	A-Data	A-Data	1GB	PC3-10600 (DDR3-1333)	AD30908C8D-151G	AD313330021OU(AD631A08) 1.5V±0.75 [1GX8,CL=9]	Pass
14	DSL	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	D3UH28081XH15AA 1.5V [128Mx8b-*8/128Mx64b,CL=9]	Pass
15	Apacer	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	78.01GC6.AF0 1.5V [128Mx8b-x8/128Mx64b,CL=9]	Pass
16	Transcend	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83TFR H9C	TS128MLK64V3U 1.5V [128Mx8b-x8/128Mx64b,CL=9]	Pass
17	Kingston	ELPIDA	4GB	PC3-8500 (DDR3-1066)	J2108BCBG-DJ-F	KVR1066D3N7/4G 1.5V [256Mx8b-x16/512Mx64b,CL=7]	Pass
18	Hynix	Hynix	2GB	PC3-8500 (DDR3-1066)	H5TQ2G83BFR-G7C	HMT325U6BFR8C-G7 1.5V [256Mx8b-8/256Mx64b,CL=7]	Pass

Reliability Test(AC0qt):

3.1 CPU Test:

Procedure:

- (i) Install Windows 7 Ultimate 64Bit (English) & SP1.
- (ii) Check CPU information & specification with CPU-Z.
- (iii) Run 3DMark Vantage Professional Build 1.1.0 BenchMark - 3 times.
- (iv) Check CPU temperature in the BIOS after running 3DMark.
- (v) Run S1/S3/S4/S5 - 3 times.

No.	CPU	Type	CPU Temp.	Result
1	Intel / 3.3GHz	Core i3-2120 (SandyBridge/Q0-SR05Y) / LGA1155	32 °C	Pass

3.2 DDR3 Module Test:

Procedure:

- (i) Install Windows 7 Ultimate 64Bit (English) & SP1.
- (ii) Check Memory information & specification with CPU-Z.
- (iii) Run 3DMark Vantage Professional Build 1.1.0 BenchMark - 3 times.
- (iv) Run S1/S3/S4/S5 - 3 times.

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
1	Transcend	SEC	2GB	PC3-10600 (DDR3-1333)	K4B1G0846G	TS256MLK64V3U 1.5V [128Mx8b/256Mx64b,CL=7]	Pass

3.3 DDR3 Module Test Procedures:

Procedure:

- (i) Install Windows 7 Ultimate 64Bit (English) & SP1.
- (ii) Check Memory information & specification with CPU-Z.
- (iii) Run 3DMark Vantage Professional Build 1.1.0 BenchMark - 3 times.
- (iv) Run S1/S3/S4/S5 - 3 times.

No.	DDR3 Module	Test Environment	3DMark Score	Result
1	Transcend (TS256MLK64V3U 1.5V) [128Mx8b/256Mx64b,CL=7] / SEC (K4B1G0846G) / PC3-10600 (DDR3-1333) / 2GB *2	M/B: SB601-C Rev.A (AC0) (BNC410500037) M/B BIOS: AMI-UEFI 10/24/2012 M/B Driver: SB601 Ver.A1.6.0 CPU: Intel / Core i3-2120 (SandyBridge/Q0-SR05Y) / 3.3GHz DIMM Slot: Dimm-1/3 SATA HDD: Maxtor / STM3250310AS SATA2 NCQ (250GB,7200RPM) Display: On Board DVD-ROM: Pioneer / DVD-231DW 24X SATA Power: Jagier / KY-580ATX 480W O.S.: 3DMark Vantage Score: Test Summary: GPU Score:816 CPU Score:10724	P1016	Pass