

1. Stability Test v 1.0:

1.1 CPU Test:

Procedure:

- (1) Install O.S.
- (2) Check CPU information & specification with CPU-Z.
- (3) Run 3DMark11 Demo Edition Ver.1.0.5 BenchMark - 3 times.
- (4) Check CPU temperature in the BIOS after running 3DMark.
- (5) Run S3/S4/S5 - 3 times.

No.	CPU	Type	CPU Temp.	Result
1	AMD / 2.0GHz	GX-420CA (GE420CIAJ44HM/L2:2MB-Shared Quad Core HD 8400E (800MHz)) / 25W / System-on-Chip (SOC) APU	40 °C	Pass
2	AMD / 1.65GHz	GX-217GA (GE217GIBJ23HM/L2:1MB-Shared Dual Core HD 8280E(450MHz)) / 15W / System-on-Chip (SOC) APU	48 °C	Pass
3	AMD / 1.5GHz	GX-415GA (GE415GIBJ44HM/L2:2MB-Shared Quad Core HD 8330E(500MHz)) / 15W / System-on-Chip (SOC) APU	34 °C	Pass
4	AMD / 1.0GHz	GX-210JA (GE210JIHJ23HM/L2:1MB- Shared Dual Core HD 8210E(225MHz)) / 6W / System-on-Chip (SOC) APU	44 °C	Pass

1.2 DDR3 SO-DIMM Test:

Procedure:

- (1) Install O.S.
- (2) Check Memory information & specification with CPU-Z.
- (3) Run 3DMark11 Demo Edition Ver.1.0.5 BenchMark - 3 times.
- (4) Run 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	Crucial	Micron	8GB	PC3-12800 (DDR3L-1600)	2RD27D9PCP	CT102464BF160B.16FDD (MT16KTF1G64HZ-1G6D1) 1.35/1.5V [512Mx8b-x16/1024Mx64b,CL=11-11-11-30]	Pass
4	ADATA	Micron	8GB	PC3L-12800 (DDR3L-1600)	3DE77D9Q8J	ADDS1600W8G11-BMIE (10281788) 1.35V/1.5V [512Mx8b-x16/1GBx64b,CL=11-11-11]	Pass
5	ACPIgroup	Hynix(SK)	8GB	PC3L-12800 (DDR3L-1600)	H5TC4G83AFR PBA	CMA5-4GA01BAL01A00 1.35V/1.5V [512Mx8b-x16/1Gx64b,CL=11-11-11]	Pass
6	ADATA	ELPIDA	4GB	PC3-12800 (DDR3-1600)	J2108BCSE-GN-F	SU3S1600C4G11-B 1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
7	Apacer	Hynix	4GB	PC3-12800 (DDR3-1600)	H5TQ2G83CFR PBC	76.B371G.C700C 1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
8	Apacer	Micron	4GB	PC3-12800 (DDR3-1600)	2WE22-D9QBJ	76.B371G.C1Y0C 1.5V [512Mx8b-x8/512Mx64b,CL=11]	Pass

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
9	INNODISK	Micron	4GB	PC3-12800 (DDR3L-1600)	1XM77-D9PFJ	M3SP-4GMJDLOC-M 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
10	Apacer	Micron	4GB	PC3-12800 (DDR3L-1600)	2DM77-D9PFJ	75.B83DL.G000C 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
11	ADATA	Micron	4GB	PC3L-12800 (DDR3L-1600)	3DE77D9Q8J	ADDS1600W4G11-BMIE (10281820) 1.35V/1.5V [512Mx8b-x8/512Mx64b,CL=11-11-11]	Pass
12	ACPIgroup	Hynix(SK)	4GB	PC3L-12800 (DDR3L-1600)	H5TC4G83AFR PBA	CMA5-4FA01BAL01A00 1.35V/1.5V [512Mx8b-x8/512Mx64b,CL=11-11-11]	Pass
13	Hynix	Hynix	2GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	HMT325S6BFR8C-PBNO 1.5V [256Mx8b-x8/256Mx64b,CL=11]	Pass
14	ADATA	ELPIDA	2GB	PC3-12800 (DDR3-1600)	J2108BCSE-GN-F	EL74C1B08 10281590 1.5V [256Mx8b-x8/256Mx64b,CL=11-11-11]	Pass
15	Transcend	Transcend	2GB	PC3-12800 (DDR3-1600)	TK483PCW3-T1125	JJM11660000KSN--22G 1.5V [256Mx8b-x8/256Mx64b,CL=11]	Pass
16	Apacer	Hynix	2GB	PC3-12800 (DDR3-1600)	H5TQ2G83CFR PBC	76.A371G.C690C 1.5V [256Mx8b-x8/256Mx64b,CL=11]	Pass
17	INNODISK	Micron	2GB	PC3-12800 (DDR3L-1600)	1WM77-D9PFJ	M3SP-2GMJLOC-M 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
18	ADATA	Hynix(SK)	2GB	PC3L-12800 (DDR3L-1600)	H5TC2G83EFR PBA	ADDS1600C2G11-BHYE (10281881) 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=11-11-11]	Pass
19	ACPIgroup	Hynix(SK)	2GB	PC3L-12800 (DDR3L-1600)	H5TC2G83EFR PBA	CMA5-4E801BAL01E00 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=11-11-11]	Pass
20	Hynix	Hynix	1GB	PC3-12800 (DDR3-1600)	H5TQ2G63BFR PBC	HMT312S6BFR6C-PBNO 1.5V [128Mx16b-x4/128Mx64b,CL=11]	Pass
21	Transcend	Micron	8GB	PC3-10600 (DDR3-1333)	1ZD27-D9PBC	TS1GSK64V3H 1.5V [512Mx8b-x16/1024Mx64b,CL=9]	Pass
22	Transcend	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83AFR H9C	TS512MSK64V3N 1.5V [256Mx8b/512Mx64b,Timings(Max) =9-9-9-24]	Pass
23	DSL	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3SH56082XH15AA 1.5V	Pass
24	Transcend	SEC	4GB	PC3-10600 (DDR3-1333)	K4B2G0846D	TS512MSK64V3N 1.5V [256Mx8b-*16/512Mx64b,CL=9]	Pass
25	Apacer	ELPIDA	4GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.B2GCL4210C 1.35V [256Mx8b-x16/512Mx64b,CL=9]	Pass
26	Transcend	Hynix	4GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS512MSK64W3N 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
27	DSL	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3SH56081XH15AA 1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
28	Transcend	ELPIDA	2GB	PC3-10600 (DDR3-1333)	J1108BFBG-DJ-F	TS256MSK64V3U 1.5V [128Mx8b-*16/256Mx64b,CL=9]	Pass
29	Crucial	Micron	2GB	PC3-10600 (DDR3-1333)	OMD12D9LGK	CT25664BC1339.8FD 1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
30	Transcend	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TC2G83EFR PBA	TS256MSK64V3N,1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
31	Apacer	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83CFR PBC	76.A371G.C750C 1.5V [256Mx8b-*8/256Mx64b,CL=9]	Pass
32	Apacer	ELPIDA	2GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.A2GCL4200C 1.35V [256Mx8b-x8/256Mx64b,CL=9]	Pass
33	Transcend	Hynix	2GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS256MSK64W3N 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
34	Crucial	Micron	2GB	PC3L-10600 (DDR3L-1333)	2EM77D9PFJ	CT25664BF1339.8FMR (MT8KTF25664HZ-1G4M1) 1.35V/1.5V [56Mx8b-x8/256Mx64b,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)	ONDI2-D9LGQ	CT12864BC1339.4FD 1.5V [128Mx16b-x4/128Mx64b,CL=9]	Pass
37	ACPIgroup	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83DFR H9C	CMA4-3D501BAR01D00 1.5V [128Mx8b-*8/128Mx64b,CL=9]	Pass
38	Transcend	Hynix	4GB	PC3-8500 (DDR3-1066)	H5TQ2G83AFRH9C	TS512MSK64V1N 1.5V [256Mx8b/512Mx64b,CL=7-7-7-20]	Pass
39	Apacer	Apacer	2GB	PC3-8500 (DDR3-1066)	AM5D5808MIJSBG 1.5V	AM5D5808MIJSBG 1.5V	Pass
40	Transcend	ELPIDA	2GB	PC3-8500 (DDR3-1066)	J1108BASE-AE-E	TS256MSK64V1U 1.5V±0.75 [128Mx8bits/256Mx64bits,CL=7]	Pass
41	Kingston	ELPIDA	2GB	PC3-8500 (DDR3-1066)	J1108BABG-DJ-E	KVR1066D3S7/2G 1.5V [128Mx8bits/256Mx64bits,CL=7-7-7-20]	Pass
42	ADATA	ADATA	2GB	PC3-8500 (DDR3-1066)	AD30908C8D-18GG	AD31066002GOS (AD7YG1B16723) 1.5V [128Mx8bits/256Mx64bits,CL=7-7-7-20]	Pass
43	SILICON	S-POWER	2GB	PC3-8500 (DDR3-1066)	IOYT3NO	SP002GBSTU106S02 1.5V [128Mx8b/256Mx64b,CL=7-7-7-20]	Pass
44	Apacer	Apacer	1GB	PC3-8500 (DDR3-1066)	AM5D5808MIJSBG 1.5V	AM5D5808MIJSBG 1.5V	Pass
45	Transcend	SEC	1GB	PC3-8500 (DDR3-1066)	K4B1G0846D	TS128MSK64V1U 1.5V±0.75 [128Mx8bits/128Mx64bits,CL=6,7,8]	Pass

1.3 DDR3 SO-DIMM Test Procedures:

Procedure:

- (1) Install O.S.
- (2) Check Memory information & specification with CPU-Z.
- (3) Run 3DMark11 Demo Edition Ver.1.0.5 BenchMark - 3 times.
- (4) Run S3/S4/S5 - 3 times.

No.	DDR3 Module	Test Environment	3DMark Score	Result
1	Transcend (TS1GSK64V6H 1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (1ZD27-D9PBC) / PC3-12800 (DDR3-1600) / 8GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-RW: Archgon / MD-3107-U3 USB3.0 Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: Overnight looping under 11 hours	P290	Pass
		M/B: KB968-GX415BBS Rev.2 (022) (BSD420700029) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-217GA (GE217GIBJ23HM/ Dual Core HD 8280E (450MHz)) / 1.65GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 64Bit (English)	P513	Pass
2	Apacer (75.C93DL.G000C 1.35V/1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (2ED27-D9PCP) / PC3-12800 (DDR3L-1600) / 8GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-RW: Archgon / MD-3107-U3 USB3.0 Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 64Bit (English)	P287	Pass
		M/B: KB968-GX415BBS Rev.2 (022) (BSD420700029) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-217GA (GE217GIBJ23HM/ Dual Core HD 8280E (450MHz)) / 1.65GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P512	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
3	Crucial (CT102464BF160B.16FDD (MT16KTF1G64HZ-1G6D1) 1.35V/1.5V) [512Mx8b-x16/1024Mx64b, CL=11-11-11-30] / Micron (2RD27D9PCP) / PC3-12800 (DDR3L-1600) / 8GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: Overnight looping under 10 hours	P282	Pass
4	ADATA (ADDS1600W8G11-BMIE (10281788) 1.35V/1.5V) [512Mx8b-x16/1Gx64b,CL=11-11-11] / Micron (3DE77D9Q8J) / PC3L-12800(DDR3L-1600) / 8GB*1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700026) & COM331-B Rev.A (0A2) (BMC150100005) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-420CA (GE420CIAJ44HM/ Quad Core HD 8400E (800MHz)) / 2.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P628	Pass
5	ACPIgroup (CMA5-4GA01BAL01A00 1.35V & 1.5V) [512Mx8b-x16/1Gx64b,CL=11-11-11] /Hynix(SK) (H5TC4G83AFR PBA) / PC3L-12800(DDR3L-1600) / 8GB*1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700002) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-415GA (GE415GIBJ44HM/ Quad Core HD 8330E (500MHz)) / 1.5GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360ADFD SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P553	Pass
6	ADATA (SU3S1600C4G11-B 1.5V) [256Mx8b-x16/512Mx64b,CL=11] / ELPIDA (J2108BCSE-GN-F) / PC3L-12800 (DDR3-1600) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-RW: Archgon / MD-3107-U3 USB3.0 Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P293	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
7	Apacer (76.B371G.C700C 1.5V) [256Mx8b-x16/512Mx64b,CL=11] / Hynix (H5TQ2G83CFR PBC) / PC3-12800(DDR3-1600) / 4GB*1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360AFDF SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P281	Pass
8	Apacer (76.B371G.C1Y0C 1.5V) [512Mx8b-x8/512Mx64b,CL=11] / Micron (2WE22-D9QBJ) / PC3-12800(DDR3-1600) / 4GB*1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P285	Pass
9	INNODISK (M3SP-4GMJDL0C-M 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=9] / Micron (1XM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 64Bit (English)	P279	Pass
10	Apacer (75.B83DL.G000C 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=11] / Micron (2DM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P278	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
11	ADATA (ADDS1600W4G11-BMIE (10281820) 1.35V/1.5V) [512Mx8b-x8/512Mx64b,CL=11-11-11] / Micron (3DE77D9Q8J) / PC3L-12800(DDR3L-1600) / 4GB*1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P282	Pass
12	ACPIgroup (CMA5-4FA01BAL01A00 1.35V/1.5V) [512Mx8b-x8/512Mx64b,CL=11-11-11] / Hynix(SK) (H5TC4G83AFR PBA) / PC3L-12800(DDR3L-1600) / 4GB*1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700002) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-415GA (GE415GIBJ44HM/ Quad Core HD 8330E (500MHz)) / 1.5GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360ADFD SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P550	Pass
13	Hynix (HMT325S6BFR8C-PBNO 1.5V) [256Mx8b-x8/256Mx64b,CL=11] / Hynix (H5TQ2G83BFR PBC) / PC3-12800 (DDR3-1600) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-RW: Archgon / MD-3107-U3 USB3.0 Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P291	Pass
14	ADATA (EL74C1B08 10281590 1.5V) [256Mx8b-x8/256Mx64b,CL=11-11-11] / ELPIDA (J2108BCSE-GN-F) / PC3-12800 (DDR3-1600) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P288	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
15	Transcend (JYM11660000KSN--22G 1.5V) [256Mx8b-x8/256Mx64b,CL=11] / Transcend (TK483PCW3-T1125) / PC3-12800 (DDR3-1600) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P282	Pass
16	Apacer (76.A371G.C690C 1.5V) [256Mx8b-x8/256Mx64b,CL=11] / Hynix (H5TQ2G83CFR PBC) / PC3-12800(DDR3-1600) / 2GB*1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360ADFD SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P284	Pass
17	INNODISK (M3SP-2GMJCL0C-M 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Micron (1WM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-RW: Archgon / MD-3107-U3 USB3.0 Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P291	Pass
18	ADATA (ADDS1600C2G11-BHYE (10281881) 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=11-11-11] / Hynix(SK) (H5TC2G83EFR PBA) / PC3L-12800(DDR3L-1600) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360ADFD SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P280	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
19	ACPIgroup (CMA5-4E801BAL01E00 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=11-11-11] / Hynix(SK) (H5TC2G83EFR PBA) / PC3L-12800 (DDR3L-1600) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700026) & COM331-B Rev.A (0A2) (BMC150100005) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-420CA (GE420CIAJ44HM/ Quad Core HD 8400E (800MHz)) / 2.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P628	Pass
20	Hynix (HMT312S6BFR6C-PBNO 1.5V) [128Mx16b-x4/128Mx64b,CL=11] / Hynix (H5TQ2G63BFR PBC) / PC3-12800 (DDR3-1600) / 1GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P283	Pass
21	Transcend (TS1GSK64V3H 1.5V) [512Mx8b-x16/1024Mx64b,CL=9] / Micron (1ZD27-D9PBC) / PC3-10600 (DDR3-1333) / 8GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 64Bit (English) Test Summary: Overnight looping under 11 hours	P288	Pass
		M/B: KB968-GX415BBS Rev.2 (022) (BSD420700029) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-217GA (GE217GIBJ23HM/ Dual Core HD 8280E (450MHz)) / 1.65GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: Overnight looping under 11 hours	P498	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
22	Transcend (TS512MSK64V3N 1.5V) [256Mx8b/512Mx64b, Timings(Max)=9-9-9-24] / Hynix (H5TQ2G83AFR H9C) / PC3-10600 (DDR3-1333) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCO 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 64Bit (English)	P279	Pass
23	DSL (D3SH56082XH15AA 1.5V) / Hynix (H5TQ2G83BFR H9C) / PC3-10600 (DDR3-1333) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCO 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P282	Pass
24	Transcend (TS512MSK64V3N 1.5V) [256Mx8b-*16/512Mx64b,CL=9] / SEC (K4B2G0846D) / PC3-10600 (DDR3-1333) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SSD: Intel / SSDSC2CW120A3K5 SATA3 120GB/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: Overnight looping under 11 hours	P281	Pass
25	Apacer (78.B2GCL4210C 1.35V) [256Mx8b-x16/512Mx64b,CL=9] / ELPIDA (J2108ECSE-DJ-F) / PC3-10600 (DDR3L-1333) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCO 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 64Bit (English)	P278	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
26	Transcend (TS512MSK64W3N 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=9] / Hynix (H5TQ2G83BFR-H9C) / PC3-10600 (DDR3L-1333) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 64Bit (English)	P279	Pass
27	DSL (D3SH56081XH15AA 1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR H9C) / PC3-10600 (DDR3-1333) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: Overnight looping under 10 hours	P278	Pass
		M/B: KB968-GX415BBS Rev.2 (022) (BSD420700029) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-217GA (GE217GIBJ23HM/ Dual Core HD 8280E (450MHz)) / 1.65GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P498	Pass
28	Transcend (TS256MSK64V3U 1.5V) [128Mx8b-*16/256Mx64b,CL=9] / ELPIDA (J1108BFBG-DJ-F) / PC3-10600 (DDR3-1333) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P290	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
29	Crucial (CT25664BC1339.8FD 1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Micron (OMD12D9LGK) / PC3-10600 (DDR3-1333) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-RW: Archgon / MD-3107-U3 USB3.0 Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P287	Pass
30	Transcend (TS256MSK64V3N 1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TC2G83EFR PBA) / PC3-10600 (DDR3-1333) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P281	Pass
31	Apacer (76.A371G.C750C 1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83CFR PBC) / PC3-10600 (DDR3-1333) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P289	Pass
32	Apacer (78.A2GCL4200C 1.35V) [256Mx8b-x8/256Mx64b,CL=9] / ELPIDA (J2108ECSE-DJ-F) / PC3-10600 (DDR3L-1333) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: Overnight looping under 11 hours	P286	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
33	Transcend (TS256MSK64W3N 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR-H9C) / PC3-10600 (DDR3L-1333) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCO 320GB/7200RPM Display: On Board DVD-RW: Archgon / MD-3107-U3 USB3.0 Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P286	Pass
34	Crucial (CT25664BF1339.8FMR (MT8KTF25664HZ-1G4M1) 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Micron (2EM77D9PFJ) / PC3L-10600 (DDR3L-1333) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCO 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P278	Pass
35	Apacer (78.02GC6.420 1.5V) [128Mx8b-x8/128Mx64b,CL=9] / ELPIDA (J1108BFBG-DJ-F) / PC3-10600 (DDR3-1333) / 1GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360ADFD SATA1 NCO 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P275	Pass
36	Crucial (CT12864BC1339.4FD 1.5V) [128Mx16b-x4/128Mx64b,CL=9] / Micron (0ND12-D9LGO) / PC3-10600 (DDR3-1333) / 1GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCO 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P274	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
37	ACPIgroup (CMA4-3D501BAR01D00 1.5V) [128Mx8b-*8/128Mx64b,CL=9] / Hynix (H5TQ1G83DFR H9C) / PC3-10600 (DDR3-1333) / 1GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700002) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-415GA (GE415GIBJ44HM/ Quad Core HD 8330E (500MHz)) / 1.5GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360ADFD SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P535	Pass
38	Transcend (TS512MSK64V1N 1.5V) [256Mx8b/512Mx64b,CL=7-7-7-20] / Hynix (H5TQ2G83AFRH9C) / PC3-8500 (DDR3-1066) / 4GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P291	Pass
		M/B: KB968-GX415BBS Rev.2 (022) (BSD420700029) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-217GA (GE217GIBJ23HM/ Dual Core HD 8280E (450MHz)) / 1.65GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P479	Pass
39	Apacer (AM5D5808MIJSBG 1.5V) / Apacer (AM5D5808MIJSBG 1.5V) / PC3-8500 (DDR3-1066) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: Overnight looping under 11 hours	P279	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
40	Transcend (TS256MSK64V1U 1.5V±0.75) [128Mx8bits/256Mx64bits,CL=7] / ELPIDA (J1108BASE-AE-E) / PC3-8500 (DDR3-1066) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P276	Pass
41	Kingston (KVR1066D3S7/2G 1.5V) [128Mx8bits/256Mx64bits,CL=7-7-7-20] / ELPIDA (J1108BABG-DJ-E) / PC3-8500 (DDR3-1066) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360ADFD SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P282	Pass
42	ADATA (AD31066002GOS (AD7YG1B16723) 1.5V) [128Mx8bits/256Mx64bits,CL=7-7-7-20] / ADATA (AD30908C8D-18GG) / PC3-8500 (DDR3-1066) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700003) & COM331-B Rev.A (0A2) (BMC150100008) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-RW: Archgon / MD-3107-U3 USB3.0 Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P290	Pass
43	SILICON (SP002GBSTU106S02 1.5V) [128Mx8b/256Mx64b,CL=7-7-7-20] / S-POWER (IOYT3NO) / PC3-8500 (DDR3-1066) / 2GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P279	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
44	Apacer (AM5D5808MIJSBG 1.5V) / Apacer (AM5D5808MIJSBG 1.5V) / PC3-8500 (DDR3-1066) / 1GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700023) & COM331-B Rev.A (0A2) (BMC150100041) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-210JA (GE210JIHJ23HM/ Dual Core HD 8210E (225MHz)) / 1.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / STM3500320AS SATA2 NCQ 500GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P279	Pass
45	Transcend (TS128MSK64V1U 1.5V±0.75) [128Mx8bits/128Mx64bits,CL=6,7,8] / SEC (K4B1G0846D) / PC3-8500 (DDR3-1066) / 1GB *1	M/B: KB968-GX415BBS Rev.2 (022) (BSD420700002) & COM331-B Rev.A (0A2) (BMC150100007) M/B BIOS: AMI-Aptio 10/18/2013 EC F/W Rev.: 2013/10/01 M/B Driver: Demo Oct/21/2013 CPU: AMD / GX-415GA (GE415GIBJ44HM/ Quad Core HD 8330E (500MHz)) / 1.5GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD360ADFD SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W O.S.: Windows 8 Enterprise 32Bit (English)	P503	Pass

