

# 1. Stability Test: Rev.021/0A1/0A2

## 1.1 CPU Test:

### Procedure:

- (1) Install O.S.
- (2) Check CPU information & specification with CPU-Z.
- (3) Run Passmark Performance Test 8.0 Build1027/1040 - 1 time.
- (4) Run AIDA64 Cache and Memory Benchmark Ver.4.50.3000/4.70.3200 - 1 time.
- (5) Run 3DMark for Windows Ver.1.3.708/1.4.778 BenchMark - 3 times.
- (6) Check CPU temperature in the BIOS after running 3DMark.
- (7) Run S3/S4/S5 - 3 times.

No.	CPU	Type	CPU Temp.	Result
1	Intel / 1.91GHz	Atom-E3845 (BayTrail-I/B3-SR1RE) / 10W / FCBGA1170	- °C	Pass
2	Intel / 1.91GHz	Atom-E3845 (BayTrail-I/D0-QGFY) / 10W / FCBGA1170	35 °C	Pass
3	Intel / 1.91GHz	Atom-E3845 (BayTrail-I/D0-SR1X6) / 10W / FCBGA1170	32 °C	Note ID24159
4	Intel / 1.46GHz	Atom-E3826 (BayTrail-I/D0-QGFW) / 7W / FCBGA1170	35 °C	Pass
5	Intel / 1.33GHz	Atom-E3825 (BayTrail-I/D0-SR1X9) / 6W / FCBGA1170	- °C	Pass
6	Intel / 2.0GHz	Celeron J1900 (BayTrail-D/C0-QG9B) / 10W / FCBGA1170	32 °C	Pass
7	Intel / 2.0GHz	Celeron J1900 (BayTrail-D/C0-SR1UT) / 10W / FCBGA1170	32 °C	Pass
8	Intel / 1.83GHz	Celeron N2930 (BayTrail-M/C0-SR1W3) / 7.5W / FCBGA1170	34 °C	Pass

## 1.2 DDR3 SO-DIMM Approved List:

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
1	Apacer	Micron	8GB	PC3-12800 (DDR3L-1600)	2ED27-D9PCP	75.C93DL.G000C 1.35V/1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass
2	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
3	Transcend	SEC	8GB	PC3L-12800 (DDR3L-1600)	K4B4G0846D	TS1GSK64W6H 1.35V/1.5V [512Mx8b-x16/1Gx64b,CL=11-11-11]	Pass
4	INNODISK	Micron	4GB	PC3-12800 (DDR3L-1600)	1XM77-D9PFJ	M3SP-4GMJDLOC-M 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
5	Apacer	Micron	4GB	PC3-12800 (DDR3L-1600)	2DM77-D9PFJ	75.B83DL.G000C 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
6	Crucial	Micron	4GB	PC3-12800 (DDR3L-1600)	2RM77D9PFJ	CT51264BF160B.16FMR (MT16KTF51264HZ-1G6M1) 1.35V/1.35V [256Mx8b-x16/512Mx64b,CL=11-11-11-30]	Pass
7	ADATA	Micron	4GB	PC3L-12800 (DDR3L-1600)	3DE77D9Q8J	ADDS1600W4G11-BMIE (10281820) 1.35V/1.5V [512Mx8b-x8/512Mx64b,CL=11-11-11]	Pass
8	Transcend	SEC	4GB	PC3L-12800 (DDR3L-1600)	K4B4G0846D	TS512MSK64W6H 1.35V/1.5V [512Mx8b-x8/512Mx64b,CL=11-11-11]	Pass
9	INNODISK	Micron	2GB	PC3-12800 (DDR3L-1600)	1WM77-D9PFJ	M3SP-2GMJCLC-M 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
10	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
11	Transcend	SEC	2GB	PC3L-12800 (DDR3L-1600)	K4B2G0846Q	TS256MSK64W6N 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=11-11-11]	Pass
12	Apacer	ELPIDA	4GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.B2GCL4210C 1.35V [256Mx8b-x16/512Mx64b,CL=9]	Pass
13	Transcend	Hynix	4GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS512MSK64W3N 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
14	Apacer	ELPIDA	2GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.A2GCL4200C 1.35V [256Mx8b-x8/256Mx64b,CL=9]	Pass
15	Transcend	Hynix	2GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS256MSK64W3N 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass

<b>16</b>	Crucial	Micron	2GB	PC3L-10600 (DDR3L-1333)	2EM77D9PFJ	CT25664BF1339.8FMR (MT8KTF25664HZ-1G4M1) 1.35V/1.5V [56Mx8b-x8/256Mx64b,CL=9]	<b>Pass</b>
<b>17</b>	Transcend	SEC	2GB	PC3L-10600 (DDR3L-1333)	K4B2G0846Q	TS256MSK64W3N 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	<b>Pass</b>



### 1.3 DDR3 SO-DIMM Test Procedures:

**Procedure:**

- (1) Install O.S.**
- (2) Check Memory information & specification with CPU-Z.**
- (3) Run Passmark Performance Test 8.0 Build1027/1040 - 1 time.**
- (4) Run AIDA64 Cache and Memory Benchmark Ver.4.50.3000/4.70.3200 - 1 time.**
- (5) Run 3DMark for Windows Ver.1.3.708/1.4.778 BenchMark - 3 times.**
- (6) Run S3/S4/S5 - 3 times.**

No.	DDR3 Module	Test Environment	Result
<b>1</b>	Apacer (75.C93DL.G000C 1.35V/1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (2ED27-D9PCP) / PC3-12800 (DDR3L-1600) / 8GB *1	M/B: BT968-TS0E45 Rev.A (0A1) (BSE391400003) & COM331-B Rev.A (0A2) (BMC150100040)  M/B BIOS: AMI-Aptio 10/08/2014  EC FW Rev.: 1.5 (2014.09.24)  M/B Driver: Demo Oct/06/2014  CPU: Intel / Atom-E3845 (BayTrail-I/D0-QGFY) / 1.91GHz  DIMM Slot: DIMM-1 (Single channel)  SATA HDD: WD / WD6400BEVT-00A0RT0 SATA2 NCQ 640GB/5400RPM/2.5"  Display: On Board  DVD-ROM: Pioneer / DVD-231DW 18X SATA  Power: Jagier / KY-580ATX 480W  O.S.: Windows 8 Enterprise 64Bit (English)  Test Summary: 1.Passmark Performance Test 8.0 Build1040  Memory Mark:789  2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000  READ:8914MB/s  WRITE:8869MB/s  COPY:8424MB/s  3.3DMark for Windows Ver.1.3.708  Cloud Gate:----  Ice Storm:10412  Skydiver:----  Strike Test:----	<b>Pass</b>

<b>2</b>	<p>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</p>	<p>M/B: BT968-TS0E45 Rev.A (0A1) (BSE391400003) &amp; COM331-B Rev.A (0A2) (BMC150100040)</p> <p>M/B BIOS: AMI-Aptio 10/08/2014</p> <p>EC FW Rev.: 1.5 (2014.09.24)</p> <p>M/B Driver: Demo Oct/06/2014</p> <p>CPU: Intel / Atom-E3845 (BayTrail-I/D0-QGFY) / 1.91GHz</p> <p>DIMM Slot: DIMM-1 (Single channel)</p> <p>SSD: WD / WD6400BEVT-00A0RT0 SATA2 NCQ 640GB/5400RPM/2.5"</p> <p>Display: On Board</p> <p>DVD-RW: Pioneer / DVD-231DW 18X SATA</p> <p>Power: Jagier / KY-580ATX 480W</p> <p>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1</p> <p>Test Summary: 1.Passmark Performance Test 8.0 Build1040 Memory Mark:786 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:9003MB/s WRITE:8955MB/s COPY:8459MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:10231 Skydiver:---- Strike Test:----</p>	<b>Pass</b>
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No.	DDR3 Module	Test Environment	Result
3	Transcend (TS1GSK64W6H 1.35V/1.5V) [512Mx8b-x16/1Gx64b,CL=11-11-11] / SEC (K4B4G0846D) / PC3L-12800 (DDR3L-1600) / 8GB *1	M/B: BT968-TS0E45 Rev.A (0A1) (BSE391400003) & COM331-B Rev.A (0A2) (BMC150100040) M/B BIOS: AMI-Aptio 10/08/2014 EC FW Rev.: 1.5 (2014.09.24) M/B Driver: Demo Oct/06/2014 CPU: Intel / Atom-E3845 (BayTrail-I/D0-QGFY) / 1.91GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: WD / WD6400BEVT-00A0RT0 SATA2 NCQ 640GB/5400RPM/2.5" Display: On Board DVD-ROM: Pioneer / DVD-231DW 18X SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8.1 Enterprise 64Bit (English) Test Summary: 1.Passmark Performance Test 8.0 Build1040 Memory Mark:765 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:8924MB/s WRITE:8865MB/s COPY:8422MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:11249 Skydiver:---- Strike Test:----	Pass

<b>4</b>	<p>INNODISK (M3SP-4GMJDLOC-M 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=9] / Micron (1XM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 4GB *2</p>	<p>M/B: BT968-TS0E45 Rev.2 (021) (BSE201300025) &amp; COM331-B Rev.A (0A2) (BMC150100047)</p> <p>M/B BIOS: AMI-Aptio 06/30/2014</p> <p>EC FW Rev.: 1.2 (2014.06.26)</p> <p>M/B Driver: Demo Jun/13/2014</p> <p>CPU: Intel / Atom-E3845 (BayTrail-I/D0-QGFY) / 1.91GHz</p> <p>DIMM Slot: DIMM-1/2 (Dual channel)</p> <p>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM</p> <p>Display: On Board</p> <p>DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim</p> <p>Power: Jagier / KY-580ATX 480W</p> <p>O.S.: Windows 8.1 Enterprise 64Bit (English)</p> <p>Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:827 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:14035MB/s WRITE:10446MB/s COPY:13468MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:11601 Skydiver:---- Strike Test:----</p>	<b>Pass</b>
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No.	DDR3 Module	Test Environment	Result
5	Apacer (75.B83DL.G000C 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=11] / Micron (2DM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 4GB *1	M/B: BT968-BS0N30 Rev.2 (021) (BSE201200001) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.86GHz DIMM Slot: DIMM-1 SATA HDD: WD / WD360ADFD SATA1 NCQ 36GB/10000RPM Display: On Board DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim Power: Seasonic / SS-400ET 400W O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:475.1 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:9038MB/s WRITE:8935MB/s COPY:8527MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1469 Ice Storm:10357 Skydiver:581 Strike Test:----	Pass





<b>6</b>	<p>Crucial (CT51264BF160B.16FMR (MT16KTF51264HZ-1G6M1) 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=11-11-11-30] / Micron (2RM77D9PFJ) / PC3-12800 (DDR3L-1600) / 4GB *1</p>	<p>M/B: BT968-TS0E26 Rev.2 (021) (BSE201300024) &amp; COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Atom-E3826 (BayTrail-I/D0-QGFW) / 1.46GHz DIMM Slot: DIMM-1 SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Seasonic / SS-400ET 400W O.S.: Windows 8.1 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:371.7 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:7290MB/s WRITE:7382MB/s COPY:7041MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:8310 Skydiver:---- Strike Test:----</p>	<b>Pass</b>
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No.	DDR3 Module	Test Environment	Result
7	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: BT968-TS0E45 Rev.2 (021) (BSE201300025) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Atom-E3845 (BayTrail-I/D0-QGFY) / 1.91GHz DIMM Slot: DIMM-1 SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM Display: On Board DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:728 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:8893MB/s WRITE:9079MB/s COPY:8063MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:10069 Skydiver:---- Strike Test:----	Pass



<b>8</b>	<p>Transcend (TS512MSK64W6H 1.35V/1.5V) [512Mx8b-x8/512Mx64b,CL=11-11-11] / SEC (K4B4G0846D) / PC3L-12800(DDR3L-1600) / 4GB *1</p>	<p>M/B: BT968-BS0J00 Rev.2 (021) (BSE201100007) &amp; COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Celeron J1900 (BayTrail-D/C0-QG9B) / 2.0GHz DIMM Slot: DIMM-1 SSD: Crucial / CT120M500SSD1 SATA3 120GB/2.5" Display: On Board DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim Power: Seasonic / SS-400ET 400W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:519 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:8685MB/s WRITE:8355MB/s COPY:7551MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1448 Ice Storm:11169 Skydiver:585 Strike Test:---- Overnight looping under 11 hours</p>	<b>Pass</b>
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No.	DDR3 Module	Test Environment	Result
9	INNODISK (M3SP-2GMJCL0C-M 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Micron (1WM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 2GB *1	M/B: BT968-BS0N30 Rev.2 (021) (BSE201200001) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.86GHz DIMM Slot: DIMM-1 SSD: Crucial / CT120M500SSD1 SATA3 120GB/2.5" Display: On Board DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim Power: Seasonic / SS-400ET 400W O.S.: Windows 8.1 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:476.7 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:8907MB/s WRITE:9095MB/s COPY:8597MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1419 Ice Storm:11054 Skydiver:559 Strike Test:----	Pass



<b>10</b>	<p>ADATA (ADDS1600C2G11-BHYE (10281881) 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=11-11-11] / Hynix(SK) (H5TC2G83EFR PBA) / PC3L-12800(DDR3L-1600) / 2GB *2</p>	<p>M/B: BT968-TS0E45 Rev.2 (021) (BSE201300025) &amp; COM331-B Rev.A (0A2) (BMC150100047)</p> <p>M/B BIOS: AMI-Aptio 06/30/2014</p> <p>EC FW Rev.: 1.2 (2014.06.26)</p> <p>M/B Driver: Demo Jun/13/2014</p> <p>CPU: Intel / Atom-E3845 (BayTrail-I/D0-QGFY) / 1.91GHz</p> <p>DIMM Slot: DIMM-1/2 (Dual channel)</p> <p>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM</p> <p>Display: On Board</p> <p>DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim</p> <p>Power: Jagier / KY-580ATX 480W</p> <p>O.S.: Windows 8 Enterprise 64Bit (English)</p> <p>Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:803 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:13902MB/s WRITE:10471MB/s COPY:12236MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:11551 Skydiver:---- Strike Test:----</p>	<b>Pass</b>
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No.	DDR3 Module	Test Environment	Result
11	Transcend (TS256MSK64W6N 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=11-11-11] / SEC (K4B2G0846Q) / PC3L-12800 (DDR3L-1600) / 2GB *2	M/B: BT968-TS0E45 Rev.2 (021) (BSE201300025) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Atom-E3845 (BayTrail-I/D0-QGFY) / 1.91GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:784 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:13712MB/s WRITE:10439MB/s COPY:12121MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:11115 Skydiver:---- Strike Test:----	Pass



No.	DDR3 Module	Test Environment	Result
12	Apacer (78.B2GCL4210C 1.35V) [256Mx8b-x16/512Mx64b,CL=9] / ELPIDA (J2108ECSE-DJ-F) / PC3-10600 (DDR3L-1333) / 4GB *2	M/B: BT968-BS0J00 Rev.2 (021) (BSE201100007) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Celeron J1900 (BayTrail-D/C0-QG9B) / 2.0GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2.5" Display: On Board DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim Power: Seasonic / SS-400ET 400W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:869 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:13910MB/s WRITE:10419MB/s COPY:13188MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1594 Ice Storm:11527 Skydiver:638 Strike Test:----	Pass

		<p>M/B: BT968-BS0J00 Rev.A (0A2) (BME421400001) &amp; COM331-B Rev.A (0A2) (BND041000009)</p> <p>M/B BIOS: AMI-Aptio 11/04/2014</p> <p>EC FW Rev.: 1.5 (2014.09.24)</p> <p>M/B Driver: Demo Oct/06/2014</p> <p>CPU: Intel / Celeron J1900 (BayTrail-D/C0-SR1UT) / 2.0GHz</p> <p>DIMM Slot: DIMM-1/2 (Dual channel)</p> <p>SSD: Intel / SSDSC2CW120A3K5 SATA3 120GB/2.5" (SATA port 0)</p> <p>Display: On Board (using D-Sub)</p> <p>DVD-RW: Asus / DRW-24D3ST/BLK/G/AS (SATA port 1)</p> <p>Power: Corsair / CX430M 430W</p> <p>O.S.: Windows 8.1 Enterprise 64Bit (English)</p> <p>Test Summary: Environment Temp.:28.2°C</p> <p>CPU Temp.:31°C</p> <p>CPU Temp. after 3DMark:32°C</p> <p>1.Passmark Performance Test 8.0 Build1040</p> <p>CPU Mark:2069</p> <p>Memory Mark:932</p> <p>2.AIDA64 Cache and Memory Benchmark Ver.4.70.3200</p> <p>READ:14081MB/s</p> <p>WRITE:10409MB/s</p> <p>COPY:13372MB/s</p> <p>3.3DMark for Windows Ver.1.4.778</p> <p>Cloud Gate:1668</p> <p>Ice Storm:12397</p> <p>Skydiver:640</p> <p>Fireb Strike :175</p> <p>Overnight test under 12 hours</p>	<p><b>Pass</b></p>
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No.	DDR3 Module	Test Environment	Result
13	Transcend (TS512MSK64W3N 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=9] / Hynix (H5TQ2G83BFR-H9C) / PC3-10600 (DDR3L-1333) / 4GB *2	M/B: BT968-BS0N30 Rev.2 (021) (BSE201200001) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.86GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5" Display: On Board DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:824 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:13960MB/s WRITE:10435MB/s COPY:13193MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1570 Ice Storm:11719 Skydiver:605 Strike Test:----	Pass

		<p>M/B: BT968-TS0E45 Rev.A (0A2) (BSE391400004) &amp; COM331-B Rev.A (0A2) (BMC150100040)</p> <p>M/B BIOS: AMI-Aptio 11/04/2014</p> <p>EC FW Rev.: 1.5 (2014.09.24)</p> <p>M/B Driver: Demo Oct/06/2014</p> <p>CPU: Intel / Atom-E3845 (BayTrail-I/D0-SR1X6) / 1.91GHz</p> <p>DIMM Slot: DIMM-1/2 (Dual channel)</p> <p>SATA HDD: WD / WD60EZR-00MVLB1 SATA3 NCQ 6TB (SATA port 1)</p> <p>Display: On Board (using D-Sub)</p> <p>DVD-ROM: Pioneer / DVD-232DW 18X (SATA port 0)</p> <p>Power: Enermax / ENP500AST 500W</p> <p>O.S.: Windows 8.1 Enterprise 64Bit (English)</p> <p>Test Summary: Environment Temp.:28.5°C</p> <p>CPU Temp.:31°C</p> <p>CPU Temp. after 3DMark:32°C</p> <p>1.Passmark Performance Test 8.0 Build1040</p> <p>CPU Mark:1777</p> <p>Memory Mark:817</p> <p>2.AIDA64 Cache and Memory Benchmark Ver.4.70.3200</p> <p>READ:13898MB/s</p> <p>WRITE:10286MB/s</p> <p>COPY:13266MB/s</p> <p>3.3DMark for Windows Ver.1.4.778</p> <p>Cloud Gate:--</p> <p>Ice Storm:11199</p> <p>Skydiver:---</p> <p>Fireb Strike :--</p>	<p><b>Pass</b></p>
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No.	DDR3 Module	Test Environment	Result
14	Apacer (78.A2GCL4200C 1.35V) [256Mx8b-x8/256Mx64b,CL=9] / ELPIDA (J2108ECSE-DJ-F) / PC3-10600 (DDR3L-1333) / 2GB *2	M/B: BT968-TS0E26 Rev.2 (021) (BSE201300024) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Atom-E3826 (BayTrail-I/D0-QGFW) / 1.46GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:601 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:8733MB/s WRITE:8398MB/s COPY:9813MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:8281 Skydiver:---- Strike Test:----	Pass

<b>15</b>	<p>Transcend (TS256MSK64W3N 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR-H9C) / PC3-10600 (DDR3L-1333) / 2GB *2</p>	<p>M/B: BT968-TS0E26 Rev.2 (021) (BSE201300024) &amp; COM331-B Rev.A (0A2) (BMC150100047)</p> <p>M/B BIOS: AMI-Aptio 06/30/2014</p> <p>EC FW Rev.: 1.2 (2014.06.26)</p> <p>M/B Driver: Demo Jun/13/2014</p> <p>CPU: Intel / Atom-E3826 (BayTrail-I/D0-QGFW) / 1.46GHz</p> <p>DIMM Slot: DIMM-1/2 (Dual channel)</p> <p>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM</p> <p>Display: On Board</p> <p>DVD-ROM: Pioneer / DVD-230DW 18X SATA</p> <p>Power: Jagier / KY-580ATX 480W</p> <p>O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1</p> <p>Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:368.6 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:8748MB/s WRITE:8402MB/s COPY:9809MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:---- Ice Storm:8208 Skydiver:---- Strike Test:----</p>	<b>Pass</b>
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No.	DDR3 Module	Test Environment	Result
16	Crucial (CT25664BF1339.8FMR (MT8KTF25664HZ-1G4M1) 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Micron (2EM77D9PFJ) / PC3L-10600 (DDR3L-1333) / 2GB *2	M/B: BT968-BS0N30 Rev.2 (021) (BSE201200001) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.86GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18X SATA Power: Seasonic / SS-400ET 400W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:493.1 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:13689MB/s WRITE:10431MB/s COPY:12083MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1349 Ice Storm:8592 Skydiver:556 Strike Test:----	Pass

		<p>M/B: BT968-BS0N30 Rev.A (0A2) (BME421500005) &amp; COM331-B Rev.A (0A2) (BMC150100059)</p> <p>M/B BIOS: AMI-Aptio 11/04/2014</p> <p>EC FW Rev.: 1.5 (2014.09.24)</p> <p>M/B Driver: Demo Oct/06/2014</p> <p>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.86GHz</p> <p>DIMM Slot: DIMM-1/2 (Dual channel)</p> <p>SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5"</p> <p>Display: On Board</p> <p>DVD-ROM: Pioneer / DVD-230DW 18X SATA</p> <p>Power: Seasonic / SS-400ET 400W</p> <p>O.S.: Windows 8.1 Enterprise 32Bit (English)</p> <p>Test Summary: Environment Temp.:27°C</p> <p>CPU Temp.:30°C</p> <p>CPU Temp. after 3DMark:34°C</p> <p>1.Passmark Performance Test 8.0 Build1040</p> <p>CPU Mark:1287</p> <p>Memory Mark:559</p> <p>2.AIDA64 Cache and Memory Benchmark Ver.4.70.3200</p> <p>READ:13724MB/s</p> <p>WRITE:10422MB/s</p> <p>COPY:12107MB/s</p> <p>3.3DMark for Windows Ver.1.4.778</p> <p>Cloud Gate:1598</p> <p>Ice Storm:12099</p> <p>Skydiver:604</p> <p>Strike Test:171</p>	<p><b>Pass</b></p>
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No.	DDR3 Module	Test Environment	Result
17	Transcend (TS256MSK64W3N 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / SEC (K4B2G0846Q) / PC3-10600 (DDR3L-1333) / 2GB *2	M/B: BT968-BS0J00 Rev.2 (021) (BSE201100007) & COM331-B Rev.A (0A2) (BMC150100047) M/B BIOS: AMI-Aptio 06/30/2014 EC FW Rev.: 1.2 (2014.06.26) M/B Driver: Demo Jun/13/2014 CPU: Intel / Celeron J1900 (BayTrail-D/C0-QG9B) / 2.0GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2.5" Display: On Board DVD-RW: Pioneer / DVR-XT11T USB2.0 Slim Power: Seasonic / SS-400ET 400W O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: 1.Passmark Performance Test 8.0 Build1027 Memory Mark:515 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:13643MB/s WRITE:10423MB/s COPY:11996MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1579 Ice Storm:11429 Skydiver:631 Strike Test:----	Pass

### 1.4 e.MMC Chip:

#### Procedure:

- (1) Install O.S.
- (2) Run AIDA64 Extreme Edition Ver.4.70.3200 - 1 time.
- (3) Run CrystalDiskMark Ver.3.0.3b - 3 times.
- (4) Run S3/S4/S5 - 3 times.

No.	e.MMC Chip	Test Environment	Result
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<b>1</b>	<p>KINGSTON / EMMC04G-S100-A08 4GB (NAND Density:4GB, Package:FBGA1 53, Compliant with e.MMC Specification Ver 5.0,MLC NAND)</p>	<p>M/B: BT968-TS0E45 Rev.A (0A1) (BSE391400001) &amp; COM331-B Rev.A1 (A00) (BND041000009) M/B BIOS: AMI-Aptio 10/08/2014 EC FW Rev.: 1.5 (2014.09.24) M/B Driver: Demo Oct/06/2014 CPU: Intel / Atom-E3845 (BayTrail-I/D0-SR1X6) / 1.91GHz DDR3: Transcend (TS256MSK64W3N 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR-H9C) / PC3-10600 (DDR3L-1333) / 2GB *2 SSD: Intel / SSDSC2CW120A3K5 SATA3 120GB/2.5" (SATA port 0) (AHCI mode) Display: On Board (using D-Sub) DVD-RW: Asus / DRW-24D3ST/BLK/G/AS (SATA port 1) Power: Corsair / CMPSU-520HX 520W O.S.: Windows 8.1 Enterprise 64Bit (English) Test Summary: 1.AIDA64 Extreme Edition Ver.4.70.3200 Linear Read (Begin): 59.8MB/s Linear Read (Middle):63.0MB/s Linear Read (End):63.0MB/s 2.CrystalDiskMark Ver.3.0.3b Read(MB/s) Write(MB/s) SEQ - 81.18 12.27 512k - 79.27 12.13 4K - 15.77 4.553 4k QD32 - 22.15 4.706</p>	<b>Pass</b>
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