

# 1. Stability Test: Rev.021

## 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 - 1 time.
- (4) Run AIDA64 Cache and Memory Benchmark Ver.4.50.3000 - 1 time.
- (5) Run 3DMark for Windows Ver.1.3.708 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 / 1.75GHz | Atom-E3827 (BayTrail-I/D0-QGFX) / 8W / FCBGA1170       | - °C      | Note<br>ID24902 |
| 2   | Intel / 1.46GHz | Atom-E3826 (BayTrail-I/D0-SR1X8) / 7W / FCBGA1170      | - °C      | Note<br>ID24902 |
| 3   | Intel / 1.46GHz | Atom-E3815 (BayTrail-I/D0-QGFU) / 5W / FCBGA1170       | - °C      | Note<br>ID24902 |
| 4   | Intel / 1.83GHz | Celeron N2930 (BayTrail-M/C0-SR1W3) / 7.5W / FCBGA1170 | 36 °C     | Note<br>ID24903 |

## 1.2 DDR3 SO-DIMM Test:

**Procedure:**

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

| No. | Brand   | Chip   | Size | Type                      | Chip Model No. | Vendor Part No.  | Result |
|-----|---------|--------|------|---------------------------|----------------|--|--------|
| 1   | Apacer  | Micron | 8GB  | PC3-12800<br>(DDR3L-1600) | 2ED27-D9PCP    | 75.C93DL.G000C 1.35V/1.5V<br>[512Mx8b-x16/1024Mx64b,CL=11]   | Pass   |
| 2   | Crucial | Micron | 8GB  | PC3-12800<br>(DDR3L-1600) | 2RD27D9PCP     | CT102464BF160B.16FDD<br>(MT16KTF1G64HZ-1G6D1)<br>1.35/1.5V<br>[512Mx8b-x16/1024Mx64b,CL=11-1<br>1-11-30] | Pass   |



|           |           |           |     |                            |                 |   |             |
|-----------|-----------|-----------|-----|----------------------------|-----------------|---|-------------|
| <b>3</b>  | Transcend | SEC       | 8GB | PC3L-12800<br>(DDR3L-1600) | K4B4G0846D      | TS1GSK64W6H 1.35V/1.5V<br>[512Mx8b-x16/1Gx64b,CL=11-11-11]  | <b>Pass</b> |
| <b>4</b>  | INNODISK  | Micron    | 4GB | PC3-12800<br>(DDR3L-1600)  | 1XM77-D9PFJ     | M3SP-4GMJDL0C-M 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=9]   | <b>Pass</b> |
| <b>5</b>  | Apacer    | Micron    | 4GB | PC3-12800<br>(DDR3L-1600)  | 2DM77-D9PFJ     | 75.B83DL.G000C 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=11]   | <b>Pass</b> |
| <b>6</b>  | Crucial   | Micron    | 4GB | PC3-12800<br>(DDR3L-1600)  | 2RM77D9PFJ      | CT51264BF160B.16FMR<br>(MT16KTF51264HZ-1G6M1)<br>1.35V/1.35V<br>[256Mx8b-x16/512Mx64b,CL=11-11-11-30] | <b>Pass</b> |
| <b>7</b>  | ADATA     | Micron    | 4GB | PC3L-12800<br>(DDR3L-1600) | 3DE77D9Q8J      | ADDS1600W4G11-BMIE (10281820)<br>1.35V/1.5V<br>[512Mx8b-x8/512Mx64b,CL=11-11-11]                      | <b>Pass</b> |
| <b>8</b>  | Transcend | SEC       | 4GB | PC3L-12800<br>(DDR3L-1600) | K4B4G0846D      | TS512MSK64W6H 1.35V/1.5V<br>[512Mx8b-x8/512Mx64b,CL=11-11-11]   | <b>Pass</b> |
| <b>9</b>  | INNODISK  | Micron    | 2GB | PC3-12800<br>(DDR3L-1600)  | 1WM77-D9PFJ     | M3SP-2GMJCL0C-M 1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=9]  | <b>Pass</b> |
| <b>10</b> | ADATA     | Hynix(SK) | 2GB | PC3L-12800<br>(DDR3L-1600) | H5TC2G83EFR PBA | ADDS1600C2G11-BHYE (10281881)<br>1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=11-11-11]                      | <b>Pass</b> |
| <b>11</b> | Transcend | SEC       | 2GB | PC3L-12800<br>(DDR3L-1600) | K4B2G0846Q      | TS256MSK64W6N 1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=11-11-11]   | <b>Pass</b> |
| <b>12</b> | Apacer    | ELPIDA    | 4GB | PC3-10600<br>(DDR3L-1333)  | J2108ECSE-DJ-F  | 78.B2GCL4210C 1.35V<br>[256Mx8b-x16/512Mx64b,CL=9]  | <b>Pass</b> |
| <b>13</b> | Transcend | Hynix     | 4GB | PC3-10600<br>(DDR3L-1333)  | H5TQ2G83BFR-H9C | TS512MSK64W3N 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=9]   | <b>Pass</b> |
| <b>14</b> | Apacer    | ELPIDA    | 2GB | PC3-10600<br>(DDR3L-1333)  | J2108ECSE-DJ-F  | 78.A2GCL4200C 1.35V<br>[256Mx8b-x8/256Mx64b,CL=9]   | <b>Pass</b> |
| <b>15</b> | Transcend | Hynix     | 2GB | PC3-10600<br>(DDR3L-1333)  | H5TQ2G83BFR-H9C | TS256MSK64W3N 1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=9]  | <b>Pass</b> |
| <b>16</b> | Crucial   | Micron    | 2GB | PC3L-10600<br>(DDR3L-1333) | 2EM77D9PFJ      | CT25664BF1339.8FMR<br>(MT8KTF25664HZ-1G4M1)<br>1.35V/1.5V<br>[56Mx8b-x8/256Mx64b,CL=9]                | <b>Pass</b> |
| <b>17</b> | Transcend | SEC       | 2GB | PC3L-10600<br>(DDR3L-1333) | K4B2G0846Q      | TS256MSK64W3N 1.35V/1.5V<br>[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 - 1 time.**
- (4) Run AIDA64 Cache and Memory Benchmark Ver.4.50.3000 - 1 time.**
- (5) Run 3DMark for Windows Ver.1.3.708 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)<br>[512Mx8b-x16/1024Mx64b,CL=11] /<br>Micron (2ED27-D9PCP) /<br>PC3-12800 (DDR3L-1600) /<br>8GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 7 Ultimate 64Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>Memory Mark:578<br><br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br><br>READ:6771MB/s<br><br>WRITE:6819MB/s<br><br>COPY:6580MB/s<br><br>3.3DMark for Windows Ver.1.3.708<br><br>Cloud Gate:----<br><br>Ice Storm:7251<br><br>Skydiver:----<br><br>Strike Test:---- | <b>Pass</b> |

|                 |  |   |                    |
|-----------------|--|---|--------------------|
| <p><b>2</b></p> | <p>Crucial (CT102464BF160B.16FDD<br/>(MT16KTF1G64HZ-1G6D1) 1.35V/1.5V)<br/>[512Mx8b-x16/1024Mx64b,<br/>CL=11-11-11-30] /<br/>Micron (2RD27D9PCP) /<br/>PC3-12800 (DDR3L-1600) /<br/>8GB *1</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1 (Single channel)<br/>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-231DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/>Memory Mark:752<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:8846MB/s<br/>WRITE:8808MB/s<br/>COPY:8333MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:1494<br/>Ice Storm:10759<br/>Skydiver:576<br/>Strike Test:----<br/>Overnight looping under 10 hours</p> | <p><b>Pass</b></p> |
|-----------------|--|---|--------------------|



| No. | DDR3 Module   | Test Environment  | Result |
|-----|---|---|--------|
| 3   | Transcend (TS1GSK64W6H 1.35V/1.5V)<br>[512Mx8b-x16/1Gx64b,CL=11-11-11] /<br>SEC (K4B4G0846D) /<br>PC3L-12800 (DDR3L-1600) /<br>8GB *1 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-231DW 18X SATA<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:754<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:8851MB/s<br>WRITE:8807MB/s<br>COPY:8078MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:1468<br>Ice Storm:11838<br>Skydiver:563<br>Strike Test:---- | Pass   |



|          |   |  |             |
|----------|---|--|-------------|
| <b>4</b> | <p>INNODISK (M3SP-4GMJDLOC-M<br/>1.35V/1.5V)<br/>[256Mx8b-x16/512Mx64b,CL=9] /<br/>Micron (1XM77-D9PFJ) /<br/>PC3-12800 (DDR3L-1600) /<br/>4GB *2</p> | <p>M/B: BT101-N-E15 Rev.2 (021) (BSE281400002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3815 (BayTrail-I/D0-QGFU) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>CPU Mark:730<br/>Memory Mark:780<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:4651MB/s<br/>WRITE:4248MB/s<br/>COPY:5688MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:----<br/>Ice Storm:4777<br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|----------|---|--|-------------|



|          |   |  |             |
|----------|---|--|-------------|
| <b>5</b> | <p>Apacer (75.B83DL.G000C 1.35V/1.5V)<br/>[256Mx8b-x16/512Mx64b,CL=11] /<br/>Micron (2DM77-D9PFJ) /<br/>PC3-12800 (DDR3L-1600) /<br/>4GB *2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:7797<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13766MB/s<br/><br/>WRITE:10419MB/s<br/><br/>COPY:13360MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1537<br/><br/>Ice Storm:11694<br/><br/>Skydiver:594<br/><br/>Strike Test:177</p> | <b>Pass</b> |
|----------|---|--|-------------|



| No. | DDR3 Module  | Test Environment  | Result |
|-----|--|---|--------|
| 6   | Crucial (CT51264BF160B.16FMR<br>(MT16KTF51264HZ-1G6M1) 1.35V/1.5V)<br>[256Mx8b-x16/512Mx64b,CL=11-11-11-30] /<br>Micron (2RM77D9PFJ) /<br>PC3-12800 (DDR3L-1600) /<br>4GB *2 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SATA HDD: WD / WD5000AAKS SATA2 NCQ 500GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 8.1 Enterprise 64Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>CPU Mark:736<br><br>Memory Mark:621<br><br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br><br>READ:8594MB/s<br><br>WRITE:8313MB/s<br><br>COPY:10119MB/s<br><br>3.3DMark for Windows Ver.1.3.708<br><br>Cloud Gate:----<br><br>Ice Storm:8105<br><br>Skydiver:----<br><br>Strike Test:---- | Pass   |





|          |  |   |             |
|----------|--|---|-------------|
| <b>7</b> | <p>ADATA (ADDS1600W4G11-BMIE<br/>(10281820) 1.35V/1.5V)<br/>[512Mx8b-x8/512Mx64b,CL=11-11-11] /<br/>Micron (3DE77D9Q8J) /<br/>PC3L-12800 (DDR3L-1600) /<br/>4GB *2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Asus / SDRW-08D2S-U/BLK/G/AS USB2.0<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:796<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13193MB/s<br/><br/>WRITE:10121MB/s<br/><br/>COPY:11650MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1540<br/><br/>Ice Storm:11210<br/><br/>Skydiver:595<br/><br/>Strike Test:172</p> | <b>Pass</b> |
|----------|--|---|-------------|



|          |  |   |             |
|----------|--|---|-------------|
| <b>8</b> | <p>Transcend (TS512MSK64W6H 1.35V/1.5V)<br/>[512Mx8b-x8/512Mx64b,CL=11-11-11] /<br/>SEC (K4B4G0846D) /<br/>PC3L-12800(DDR3L-1600) /<br/>4GB *2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-RW: Asus / SDRW-08D2S-U/BLK/G/AS USB2.0<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:779<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13020MB/s<br/><br/>WRITE:10040MB/s<br/><br/>COPY:11747MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1500<br/><br/>Ice Storm:11533<br/><br/>Skydiver:584<br/><br/>Strike Test:173</p> | <b>Pass</b> |
|----------|--|---|-------------|

| No. | DDR3 Module  | Test Environment   | Result |
|-----|--|--|--------|
| 9   | INNODISK (M3SP-2GMJCL0C-M<br>1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=9] /<br>Micron (1WM77-D9PFJ) /<br>PC3-12800 (DDR3L-1600) /<br>2GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 8.1 Enterprise 32Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:363.9<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:7161MB/s<br>WRITE:7439MB/s<br>COPY:7073MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:----<br>Ice Storm:7329<br>Skydiver:----<br>Strike Test:---- | Pass   |



|           |   |  |             |
|-----------|---|--|-------------|
| <b>10</b> | <p>ADATA (ADDS1600C2G11-BHYE<br/>(10281881) 1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=11-11-11] /<br/>Hynix(SK) (H5TC2G83EFR PBA) /<br/>PC3L-12800(DDR3L-1600) /<br/>2GB *2</p> | <p>M/B: BT101-N-E27 Rev.2 (021) (BSE281800002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3827 (BayTrail-I/D0-QGFX) / 1.75GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5"<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>CPU Mark:567<br/>Memory Mark:428.1<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:10268MB/s<br/>WRITE:10419MB/s<br/>COPY:11435MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:----<br/>Ice Storm:9332<br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|-----------|---|--|-------------|



| No. | DDR3 Module  | Test Environment   | Result |
|-----|--|--|--------|
| 11  | Transcend (TS256MSK64W6N 1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=11-11-11] /<br>SEC (K4B2G0846Q) /<br>PC3L-12800 (DDR3L-1600) /<br>2GB *2 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5"<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-231DW 18X<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 8.1 Enterprise 32Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>CPU Test:1123<br>Memory Mark:492.2<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:13899MB/s<br>WRITE:10468MB/s<br>COPY:12191MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:1525<br>Ice Storm:12209<br>Skydiver:596<br>Strike Test:175 | Pass   |



|           |   |  |             |
|-----------|---|--|-------------|
| <b>12</b> | <p>Apacer (78.B2GCL4210C 1.35V)<br/>[256Mx8b-x16/512Mx64b,CL=9] /<br/>ELPIDA (J2108ECSE-DJ-F) /<br/>PC3-10600 (DDR3L-1333) /<br/>4GB *2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:817<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13878MB/s<br/><br/>WRITE:10409MB/s<br/><br/>COPY:13191MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1562<br/><br/>Ice Storm:11453<br/><br/>Skydiver:603<br/><br/>Strike Test:177</p> | <b>Pass</b> |
|-----------|---|--|-------------|



| No. | DDR3 Module   | Test Environment   | Result |
|-----|---|--|--------|
| 13  | Transcend (TS512MSK64W3N<br>1.35V/1.5V)<br>[256Mx8b-x16/512Mx64b,CL=9] /<br>Hynix (H5TQ2G83BFR-H9C) /<br>PC3-10600 (DDR3L-1333) /<br>4GB *2 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 7 Ultimate 64Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>Memory Mark:820<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br><br>READ:13890MB/s<br>WRITE:10417MB/s<br>COPY:13337MB/s<br>3.3DMark for Windows Ver.1.3.708<br><br>Cloud Gate:1562<br>Ice Storm:11438<br>Skydiver:602<br>Strike Test:158 | Pass   |

|           |  |  |             |
|-----------|--|--|-------------|
| <b>14</b> | <p>Apacer (78.A2GCL4200C 1.35V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>ELPIDA (J2108ECSE-DJ-F) /<br/>PC3-10600 (DDR3L-1333) /<br/>2GB *2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-RW: Archgon / MD-3107-U3 USB3.0 Blu-Ray<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:596<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:8696MB/s<br/>WRITE:8391MB/s<br/>COPY:9710MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:----<br/>Ice Storm:7968<br/><br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|-----------|--|--|-------------|





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|-----------|--|--|-------------|
| <b>15</b> | <p>Transcend (TS256MSK64W3N<br/>1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>Hynix (H5TQ2G83BFR-H9C) /<br/>PC3-10600 (DDR3L-1333) /<br/>2GB *2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)</p> <p>M/B BIOS: AMI-Aptio 08/28/2014</p> <p>EC FW Rev.: 1.0 (2014-07-30)</p> <p>M/B Driver: Demo Aug/05/2014</p> <p>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz</p> <p>DIMM Slot: DIMM-1/2 (Dual channel)</p> <p>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM</p> <p>Display: On Board</p> <p>DVD-RW: Pioneer / DVR-XT11T USB2.0</p> <p>Power: FSP / FSP060-DBAB1</p> <p>O.S.: Windows 8.1 Enterprise 32Bit (English)</p> <p>Test Summary: 1.Passmark Performance Test 8.0 Build1027</p> <p style="padding-left: 40px;">Memory Mark:373.4</p> <p>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000</p> <p style="padding-left: 40px;">READ:8704MB/s</p> <p style="padding-left: 40px;">WRITE:8389MB/s</p> <p style="padding-left: 40px;">COPY:9786MB/s</p> <p>3.3DMark for Windows Ver.1.3.708</p> <p style="padding-left: 40px;">Cloud Gate:----</p> <p style="padding-left: 40px;">Ice Storm:8062</p> <p style="padding-left: 40px;">Skydiver:----</p> <p style="padding-left: 40px;">Strike Test:----</p> | <b>Pass</b> |
|-----------|--|--|-------------|



| No. | DDR3 Module  | Test Environment   | Result |
|-----|--|--|--------|
| 16  | Crucial (CT25664BF1339.8FMR<br>(MT8KTF25664HZ-1G4M1) 1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=9] /<br>Micron (2EM77D9PFJ) /<br>PC3L-10600 (DDR3L-1333) /<br>2GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 7 Ultimate 32Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>Memory Mark:355.6<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br><br>READ:7025MB/s<br>WRITE:7242MB/s<br>COPY:6904MB/s<br>3.3DMark for Windows Ver.1.3.708<br><br>Cloud Gate:----<br>Ice Storm:7239<br>Skydiver:----<br>Strike Test:---- | Pass   |



|           |   |   |             |
|-----------|---|---|-------------|
| <b>17</b> | <p>Transcend (TS256MSK64W3N 1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>SEC (K4B2G0846Q) /<br/>PC3-10600 (DDR3L-1333) /<br/>2GB *2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5"<br/>Display: On Board<br/>DVD-RW: Pioneer / DVR-XT11T USB2.0<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 8.1 Enterprise 32Bit (English)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:372.7<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:8711MB/s<br/>WRITE:8391MB/s<br/>COPY:9752MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:----<br/>Ice Storm:8107<br/><br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|-----------|---|---|-------------|



## 2. Stability Test: Rev.021/031

### 2.1 CPU Test:

**Procedure:**

- (1) Install O.S.**
- (2) Check CPU information & specification with CPU-Z.**
- (3) Run Passmark Performance Test 8.0 Build1027 - 1 time.**
- (4) Run AIDA64 Cache and Memory Benchmark Ver.4.50.3000 - 1 time.**
- (5) Run 3DMark for Windows Ver.1.3.708 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                 |
|----------|-----------------|--|--------------|------------------------|
| <b>1</b> | Intel / 1.75GHz | Atom-E3827 (BayTrail-I/D0-QGFX)/ 8W / FCBGA1170      | - °C         | <b>Note</b><br>ID24902 |
| <b>2</b> | Intel / 1.46GHz | Atom-E3826 (BayTrail-I/D0-SR1X8)/ 7W / FCBGA1170     | - °C         | <b>Note</b><br>ID24902 |
| <b>3</b> | Intel / 1.46GHz | Atom-E3815 (BayTrail-I/D0-QGFU)/ 5W / FCBGA1170      | - °C         | <b>Note</b><br>ID24902 |
| <b>4</b> | Intel / 1.83GHz | CeleronN2930 (BayTrail-M/C0-SR1W3)/ 7.5W / FCBGA1170 | <b>36</b> °C | <b>Note</b><br>ID24903 |

**Procedure:**

- (1) Install O.S.**
- (2) Check CPU information & specification with CPU-Z.**
- (3) Run AIDA64 Cache and Memory Benchmark Ver.5.00.3300 - 1 time.**
- (4) Run S3/S4/S5 - 3 times.**

| No.      | CPU             | Type   | CPU Temp. | Result                 |
|----------|-----------------|--|-----------|------------------------|
| <b>1</b> | Intel / 1.91GHz | Atom-E3845 (BayTrail-I/D0-SR1X6) / 10W / FCBGA1170 | - °C      | <b>Note</b><br>ID24902 |



## 2.2 DDR3 SO-DIMM Test:

### Procedure:

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

| No. | Brand     | Chip      | Size | Type                       | Chip Model No.  | Vendor Part No.   | Result |
|-----|-----------|-----------|------|----------------------------|-----------------|---|--------|
| 1   | Apacer    | Micron    | 8GB  | PC3-12800<br>(DDR3L-1600)  | 2ED27-D9PCP     | 75.C93DL.G000C 1.35V/1.5V<br>[512Mx8b-x16/1024Mx64b,CL=11]  | Pass   |
| 2   | Crucial   | Micron    | 8GB  | PC3-12800<br>(DDR3L-1600)  | 2RD27D9PCP      | CT102464BF160B.16FDD<br>(MT16KTF1G64HZ-1G6D1)<br>1.35/1.5V<br>[512Mx8b-x16/1024Mx64b,CL=11-11-11-30]  | Pass   |
| 3   | Transcend | SEC       | 8GB  | PC3L-12800<br>(DDR3L-1600) | K4B4G0846D      | TS1GSK64W6H1.35V/1.5V<br>[512Mx8b-x16/1Gx64b,CL=11-11-11]   | Pass   |
| 4   | INNODISK  | Micron    | 4GB  | PC3-12800<br>(DDR3L-1600)  | 1XM77-D9PFJ     | M3SP-4GMJDL0C-M 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=9]   | Pass   |
| 5   | Apacer    | Micron    | 4GB  | PC3-12800<br>(DDR3L-1600)  | 2DM77-D9PFJ     | 75.B83DL.G000C 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=11]   | Pass   |
| 6   | Crucial   | Micron    | 4GB  | PC3-12800<br>(DDR3L-1600)  | 2RM77D9PFJ      | CT51264BF160B.16FMR<br>(MT16KTF51264HZ-1G6M1)<br>1.35V/1.35V<br>[256Mx8b-x16/512Mx64b,CL=11-11-11-30] | Pass   |
| 7   | ADATA     | Micron    | 4GB  | PC3L-12800<br>(DDR3L-1600) | 3DE77D9Q8J      | ADDS1600W4G11-BMIE (10281820)<br>1.35V/1.5V<br>[512Mx8b-x8/512Mx64b,CL=11-11-11]                      | Pass   |
| 8   | Transcend | SEC       | 4GB  | PC3L-12800<br>(DDR3L-1600) | K4B4G0846D      | TS512MSK64W6H1.35V/1.5V<br>[512Mx8b-x8/512Mx64b,CL=11-11-11]  | Pass   |
| 9   | INNODISK  | Micron    | 2GB  | PC3-12800<br>(DDR3L-1600)  | 1WM77-D9PFJ     | M3SP-2GMJCL0C-M 1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=9]  | Pass   |
| 10  | ADATA     | Hynix(SK) | 2GB  | PC3L-12800<br>(DDR3L-1600) | H5TC2G83EFR PBA | ADDS1600C2G11-BHYE (10281881)<br>1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=11-11-11]                      | Pass   |
| 11  | Transcend | SEC       | 2GB  | PC3L-12800<br>(DDR3L-1600) | K4B2G0846Q      | TS256MSK64W6N1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=11-11-11]  | Pass   |
| 12  | Apacer    | ELPIDA    | 4GB  | PC3-10600<br>(DDR3L-1333)  | J2108ECSE-DJ-F  | 78.B2GCL4210C 1.35V<br>[256Mx8b-x16/512Mx64b,CL=9]  | Pass   |

|           |           |        |     |                            |                 |  |             |
|-----------|-----------|--------|-----|----------------------------|-----------------|--|-------------|
| <b>13</b> | Transcend | Hynix  | 4GB | PC3-10600<br>(DDR3L-1333)  | H5TQ2G83BFR-H9C | TS512MSK64W3N 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=9]                                | <b>Pass</b> |
| <b>14</b> | Apacer    | ELPIDA | 2GB | PC3-10600<br>(DDR3L-1333)  | J2108ECSE-DJ-F  | 78.A2GCL4200C 1.35V<br>[256Mx8b-x8/256Mx64b,CL=9]                                      | <b>Pass</b> |
| <b>15</b> | Transcend | Hynix  | 2GB | PC3-10600<br>(DDR3L-1333)  | H5TQ2G83BFR-H9C | TS256MSK64W3N 1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=9]                                 | <b>Pass</b> |
| <b>16</b> | Crucial   | Micron | 2GB | PC3L-10600<br>(DDR3L-1333) | 2EM77D9PFJ      | CT25664BF1339.8FMR<br>(MT8KTF25664HZ-1G4M1)<br>1.35V/1.5V<br>[56Mx8b-x8/256Mx64b,CL=9] | <b>Pass</b> |
| <b>17</b> | Transcend | SEC    | 2GB | PC3L-10600<br>(DDR3L-1333) | K4B2G0846Q      | TS256MSK64W3N1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=9]                                  | <b>Pass</b> |



## 2.3 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 - 1 time.
- (4) Run AIDA64 Cache and Memory Benchmark Ver.4.50.3000 - 1 time.
- (5) Run 3DMark for Windows Ver.1.3.708 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)<br>[512Mx8b-x16/1024Mx64b,CL=11] /<br>Micron (2ED27-D9PCP) /<br>PC3-12800 (DDR3L-1600) /<br>8GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 7 Ultimate 64Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:578<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:6771MB/s<br>WRITE:6819MB/s<br>COPY:6580MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:----<br>Ice Storm:7251<br>Skydiver:----<br>Strike Test:---- | <b>Pass</b> |

|          |  |  |             |
|----------|--|--|-------------|
| <b>2</b> | <p>Crucial (CT102464BF160B.16FDD<br/>(MT16KTF1G64HZ-1G6D1) 1.35V/1.5V)<br/>[512Mx8b-x16/1024Mx64b,<br/>CL=11-11-11-30] /<br/>Micron (2RD27D9PCP) /<br/>PC3-12800 (DDR3L-1600) /<br/>8GB *1</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1 (Single channel)<br/>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-231DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1</p> <p>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/>Memory Mark:752<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:8846MB/s<br/>WRITE:8808MB/s<br/>COPY:8333MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:1494<br/>Ice Storm:10759<br/>Skydiver:576<br/>Strike Test:----<br/>Overnight looping under 10 hours</p> | <b>Pass</b> |
|----------|--|--|-------------|





| No. | DDR3 Module  | Test Environment  | Result |
|-----|--|---|--------|
| 3   | Transcend (TS1GSK64W6H1.35V/1.5V)<br>[512Mx8b-x16/1Gx64b,CL=11-11-11] /<br>SEC (K4B4G0846D) /<br>PC3L-12800(DDR3L-1600) /<br>8GB*1 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-231DW 18X SATA<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:754<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:8851MB/s<br>WRITE:8807MB/s<br>COPY:8078MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:1468<br>Ice Storm:11838<br>Skydiver:563<br>Strike Test:---- | Pass   |

|          |   |  |             |
|----------|---|--|-------------|
| <b>4</b> | <p>INNODISK (M3SP-4GMJDLOC-M<br/>1.35V/1.5V)<br/>[256Mx8b-x16/512Mx64b,CL=9] /<br/>Micron (1XM77-D9PFJ) /<br/>PC3-12800 (DDR3L-1600) /<br/>4GB *2</p> | <p>M/B: BT101-N-E15 Rev.2 (021) (BSE281400002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3815 (BayTrail-I/D0-QGFU) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>CPU Mark:730<br/>Memory Mark:780<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:4651MB/s<br/>WRITE:4248MB/s<br/>COPY:5688MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:----<br/>Ice Storm:4777<br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|----------|---|--|-------------|

|          |   |  |             |
|----------|---|--|-------------|
| <b>5</b> | <p>Apacer (75.B83DL.G000C 1.35V/1.5V)<br/>[256Mx8b-x16/512Mx64b,CL=11] /<br/>Micron (2DM77-D9PFJ) /<br/>PC3-12800 (DDR3L-1600) /<br/>4GB *2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:7797<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13766MB/s<br/><br/>WRITE:10419MB/s<br/><br/>COPY:13360MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1537<br/><br/>Ice Storm:11694<br/><br/>Skydiver:594<br/><br/>Strike Test:177</p> | <b>Pass</b> |
|----------|---|--|-------------|



| No. | DDR3 Module  | Test Environment  | Result |
|-----|--|---|--------|
| 6   | Crucial (CT51264BF160B.16FMR<br>(MT16KTF51264HZ-1G6M1) 1.35V/1.5V)<br>[256Mx8b-x16/512Mx64b,CL=11-11-11-30] /<br>Micron (2RM77D9PFJ) /<br>PC3-12800 (DDR3L-1600) /<br>4GB *2 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SATA HDD: WD / WD5000AAKS SATA2 NCQ 500GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 8.1 Enterprise 64Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>CPU Mark:736<br><br>Memory Mark:621<br><br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br><br>READ:8594MB/s<br><br>WRITE:8313MB/s<br><br>COPY:10119MB/s<br><br>3.3DMark for Windows Ver.1.3.708<br><br>Cloud Gate:----<br><br>Ice Storm:8105<br><br>Skydiver:----<br><br>Strike Test:---- | Pass   |

|          |  |   |             |
|----------|--|---|-------------|
| <b>7</b> | <p>ADATA (ADDS1600W4G11-BMIE<br/>(10281820) 1.35V/1.5V)<br/>[512Mx8b-x8/512Mx64b,CL=11-11-11] /<br/>Micron (3DE77D9Q8J) /<br/>PC3L-12800(DDR3L-1600) /<br/>4GB*2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Asus / SDRW-08D2S-U/BLK/G/AS USB2.0<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:796<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13193MB/s<br/><br/>WRITE:10121MB/s<br/><br/>COPY:11650MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1540<br/><br/>Ice Storm:11210<br/><br/>Skydiver:595<br/><br/>Strike Test:172</p> | <b>Pass</b> |
|----------|--|---|-------------|



|          |  |   |             |
|----------|--|---|-------------|
| <b>8</b> | <p>Transcend (TS512MSK64W6H1.35V/1.5V)<br/>[512Mx8b-x8/512Mx64b,CL=11-11-11] /<br/>SEC (K4B4G0846D) /<br/>PC3L-12800(DDR3L-1600) /<br/>4GB*2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-RW: Asus / SDRW-08D2S-U/BLK/G/AS USB2.0<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:779<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13020MB/s<br/><br/>WRITE:10040MB/s<br/><br/>COPY:11747MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1500<br/><br/>Ice Storm:11533<br/><br/>Skydiver:584<br/><br/>Strike Test:173</p> | <b>Pass</b> |
|----------|--|---|-------------|



| No. | DDR3 Module  | Test Environment   | Result |
|-----|--|--|--------|
| 9   | INNODISK (M3SP-2GMJCL0C-M<br>1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=9] /<br>Micron (1WM77-D9PFJ) /<br>PC3-12800 (DDR3L-1600) /<br>2GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 8.1 Enterprise 32Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:363.9<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:7161MB/s<br>WRITE:7439MB/s<br>COPY:7073MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:----<br>Ice Storm:7329<br>Skydiver:----<br>Strike Test:---- | Pass   |



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| <b>10</b> | <p>ADATA (ADDS1600C2G11-BHYE<br/>(10281881) 1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=11-11-11] /<br/>Hynix(SK) (H5TC2G83EFR PBA) /<br/>PC3L-12800(DDR3L-1600) /<br/>2GB*2</p> | <p>M/B: BT101-N-E27 Rev.2 (021) (BSE281800002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3827 (BayTrail-I/D0-QGFX) / 1.75GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5"<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>CPU Mark:567<br/>Memory Mark:428.1<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:10268MB/s<br/>WRITE:10419MB/s<br/>COPY:11435MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:----<br/>Ice Storm:9332<br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|-----------|--|--|-------------|





| No. | DDR3 Module   | Test Environment   | Result |
|-----|---|--|--------|
| 11  | Transcend (TS256MSK64W6N1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=11-11-11] /<br>SEC (K4B2G0846Q) /<br>PC3L-12800(DDR3L-1600) /<br>2GB*2 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5"<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-231DW 18X<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 8.1 Enterprise 32Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>CPU Test:1123<br><br>Memory Mark:492.2<br><br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br><br>READ:13899MB/s<br><br>WRITE:10468MB/s<br><br>COPY:12191MB/s<br><br>3.3DMark for Windows Ver.1.3.708<br><br>Cloud Gate:1525<br><br>Ice Storm:12209<br><br>Skydiver:596<br><br>Strike Test:175 | Pass   |



|           |   |  |             |
|-----------|---|--|-------------|
| <b>12</b> | <p>Apacer (78.B2GCL4210C 1.35V)<br/>[256Mx8b-x16/512Mx64b,CL=9] /<br/>ELPIDA (J2108ECSE-DJ-F) /<br/>PC3-10600 (DDR3L-1333) /<br/>4GB *2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:817<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13878MB/s<br/><br/>WRITE:10409MB/s<br/><br/>COPY:13191MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1562<br/><br/>Ice Storm:11453<br/><br/>Skydiver:603<br/><br/>Strike Test:177</p> | <b>Pass</b> |
|-----------|---|--|-------------|



| No. | DDR3 Module   | Test Environment   | Result |
|-----|---|--|--------|
| 13  | Transcend (TS512MSK64W3N<br>1.35V/1.5V)<br>[256Mx8b-x16/512Mx64b,CL=9] /<br>Hynix (H5TQ2G83BFR-H9C) /<br>PC3-10600 (DDR3L-1333) /<br>4GB *2 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 7 Ultimate 64Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>Memory Mark:820<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br><br>READ:13890MB/s<br>WRITE:10417MB/s<br>COPY:13337MB/s<br>3.3DMark for Windows Ver.1.3.708<br><br>Cloud Gate:1562<br>Ice Storm:11438<br>Skydiver:602<br>Strike Test:158 | Pass   |

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| <b>14</b> | <p>Apacer (78.A2GCL4200C 1.35V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>ELPIDA (J2108ECSE-DJ-F) /<br/>PC3-10600 (DDR3L-1333) /<br/>2GB *2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-RW: Archgon / MD-3107-U3 USB3.0 Blu-Ray<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:596<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:8696MB/s<br/><br/>WRITE:8391MB/s<br/><br/>COPY:9710MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:----<br/><br/>Ice Storm:7968<br/><br/>Skydiver:----<br/><br/>Strike Test:----</p> | <b>Pass</b> |
|-----------|--|--|-------------|



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|-----------|--|---|-------------|
| <b>15</b> | <p>Transcend (TS256MSK64W3N<br/>1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>Hynix (H5TQ2G83BFR-H9C) /<br/>PC3-10600 (DDR3L-1333) /<br/>2GB *2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-RW: Pioneer / DVR-XT11T USB2.0<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 8.1 Enterprise 32Bit (English)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:373.4<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:8704MB/s<br/><br/>WRITE:8389MB/s<br/><br/>COPY:9786MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:----<br/><br/>Ice Storm:8062<br/><br/>Skydiver:----<br/><br/>Strike Test:----</p> | <b>Pass</b> |
|-----------|--|---|-------------|



| No. | DDR3 Module  | Test Environment   | Result |
|-----|--|--|--------|
| 16  | Crucial (CT25664BF1339.8FMR<br>(MT8KTF25664HZ-1G4M1) 1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=9] /<br>Micron (2EM77D9PFJ) /<br>PC3L-10600 (DDR3L-1333) /<br>2GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 7 Ultimate 32Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>Memory Mark:355.6<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:7025MB/s<br>WRITE:7242MB/s<br>COPY:6904MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:----<br>Ice Storm:7239<br>Skydiver:----<br>Strike Test:---- | Pass   |



|           |  |  |             |
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| <b>17</b> | <p>Transcend (TS256MSK64W3N1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>SEC (K4B2G0846Q) /<br/>PC3-10600(DDR3L-1333) /<br/>2GB*2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5"<br/>Display: On Board<br/>DVD-RW: Pioneer / DVR-XT11T USB2.0<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 8.1 Enterprise 32Bit (English)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:372.7<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:8711MB/s<br/>WRITE:8391MB/s<br/>COPY:9752MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:----<br/>Ice Storm:8107<br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|-----------|--|--|-------------|



### 3. Stability Test: Rev.021/031/0A1

#### 3.1 CPU Test:

**Procedure:**

- (1) Install O.S.**
- (2) Check CPU information & specification with CPU-Z.**
- (3) Run Passmark Performance Test 8.0 Build1027 - 1 time.**
- (4) Run AIDA64 Cache and Memory Benchmark Ver.4.50.3000 - 1 time.**
- (5) Run 3DMark for Windows Ver.1.3.708 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 / 1.75GHz | Atom-E3827 (BayTrail-I/D0-QGFX)/ 8W / FCBGA1170      | - °C         | <b>Note</b><br>ID24902 |
| 2   | Intel / 1.46GHz | Atom-E3826 (BayTrail-I/D0-SR1X8)/ 7W / FCBGA1170     | - °C         | <b>Note</b><br>ID24902 |
| 3   | Intel / 1.46GHz | Atom-E3815 (BayTrail-I/D0-QGFU)/ 5W / FCBGA1170      | - °C         | <b>Note</b><br>ID24902 |
| 4   | Intel / 1.83GHz | CeleronN2930 (BayTrail-M/C0-SR1W3)/ 7.5W / FCBGA1170 | <b>36 °C</b> | <b>Note</b><br>ID24903 |

**Procedure:**

- (1) Install O.S.**
- (2) Check CPU information & specification with CPU-Z.**
- (3) Run AIDA64 Cache and Memory Benchmark Ver.5.00.3300 - 1 time.**
- (4) Run S3/S4/S5 - 3 times.**

| No. | CPU             | Type   | CPU Temp. | Result                 |
|-----|-----------------|--|-----------|------------------------|
| 1   | Intel / 1.91GHz | Atom-E3845 (BayTrail-I/D0-SR1X6) / 10W / FCBGA1170 | - °C      | <b>Note</b><br>ID24902 |





### 3.2 DDR3 SO-DIMM Test:

**Procedure:**

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

| No. | Brand     | Chip      | Size | Type                       | Chip Model No.  | Vendor Part No.   | Result |
|-----|-----------|-----------|------|----------------------------|-----------------|---|--------|
| 1   | Apacer    | Micron    | 8GB  | PC3-12800<br>(DDR3L-1600)  | 2ED27-D9PCP     | 75.C93DL.G000C 1.35V/1.5V<br>[512Mx8b-x16/1024Mx64b,CL=11]  | Pass   |
| 2   | Crucial   | Micron    | 8GB  | PC3-12800<br>(DDR3L-1600)  | 2RD27D9PCP      | CT102464BF160B.16FDD<br>(MT16KTF1G64HZ-1G6D1)<br>1.35/1.5V<br>[512Mx8b-x16/1024Mx64b,CL=11-11-11-30]  | Pass   |
| 3   | Transcend | SEC       | 8GB  | PC3L-12800<br>(DDR3L-1600) | K4B4G0846D      | TS1GSK64W6H1.35V/1.5V<br>[512Mx8b-x16/1Gx64b,CL=11-11-11]   | Pass   |
| 4   | INNODISK  | Micron    | 4GB  | PC3-12800<br>(DDR3L-1600)  | 1XM77-D9PFJ     | M3SP-4GMJDLOC-M 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=9]   | Pass   |
| 5   | Apacer    | Micron    | 4GB  | PC3-12800<br>(DDR3L-1600)  | 2DM77-D9PFJ     | 75.B83DL.G000C 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=11]   | Pass   |
| 6   | Crucial   | Micron    | 4GB  | PC3-12800<br>(DDR3L-1600)  | 2RM77D9PFJ      | CT51264BF160B.16FMR<br>(MT16KTF51264HZ-1G6M1)<br>1.35V/1.35V<br>[256Mx8b-x16/512Mx64b,CL=11-11-11-30] | Pass   |
| 7   | ADATA     | Micron    | 4GB  | PC3L-12800<br>(DDR3L-1600) | 3DE77D9Q8J      | ADDS1600W4G11-BMIE (10281820)<br>1.35V/1.5V<br>[512Mx8b-x8/512Mx64b,CL=11-11-11]                      | Pass   |
| 8   | Transcend | SEC       | 4GB  | PC3L-12800<br>(DDR3L-1600) | K4B4G0846D      | TS512MSK64W6H1.35V/1.5V<br>[512Mx8b-x8/512Mx64b,CL=11-11-11]  | Pass   |
| 9   | INNODISK  | Micron    | 2GB  | PC3-12800<br>(DDR3L-1600)  | 1WM77-D9PFJ     | M3SP-2GMJCLC-M 1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=9]   | Pass   |
| 10  | ADATA     | Hynix(SK) | 2GB  | PC3L-12800<br>(DDR3L-1600) | H5TC2G83EFR PBA | ADDS1600C2G11-BHYE (10281881)<br>1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=11-11-11]                      | Pass   |
| 11  | Transcend | SEC       | 2GB  | PC3L-12800<br>(DDR3L-1600) | K4B2G0846Q      | TS256MSK64W6N1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=11-11-11]  | Pass   |
| 12  | Apacer    | ELPIDA    | 4GB  | PC3-10600<br>(DDR3L-1333)  | J2108ECSE-DJ-F  | 78.B2GCL4210C 1.35V<br>[256Mx8b-x16/512Mx64b,CL=9]  | Pass   |

|           |           |        |     |                            |                 |  |             |
|-----------|-----------|--------|-----|----------------------------|-----------------|--|-------------|
| <b>13</b> | Transcend | Hynix  | 4GB | PC3-10600<br>(DDR3L-1333)  | H5TQ2G83BFR-H9C | TS512MSK64W3N 1.35V/1.5V<br>[256Mx8b-x16/512Mx64b,CL=9]                                | <b>Pass</b> |
| <b>14</b> | Apacer    | ELPIDA | 2GB | PC3-10600<br>(DDR3L-1333)  | J2108ECSE-DJ-F  | 78.A2GCL4200C 1.35V<br>[256Mx8b-x8/256Mx64b,CL=9]                                      | <b>Pass</b> |
| <b>15</b> | Transcend | Hynix  | 2GB | PC3-10600<br>(DDR3L-1333)  | H5TQ2G83BFR-H9C | TS256MSK64W3N 1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=9]                                 | <b>Pass</b> |
| <b>16</b> | Crucial   | Micron | 2GB | PC3L-10600<br>(DDR3L-1333) | 2EM77D9PFJ      | CT25664BF1339.8FMR<br>(MT8KTF25664HZ-1G4M1)<br>1.35V/1.5V<br>[56Mx8b-x8/256Mx64b,CL=9] | <b>Pass</b> |
| <b>17</b> | Transcend | SEC    | 2GB | PC3L-10600<br>(DDR3L-1333) | K4B2G0846Q      | TS256MSK64W3N1.35V/1.5V<br>[256Mx8b-x8/256Mx64b,CL=9]                                  | <b>Pass</b> |



### 3.3 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 - 1 time.**
- (4) Run AIDA64 Cache and Memory Benchmark Ver.4.50.3000 - 1 time.**
- (5) Run 3DMark for Windows Ver.1.3.708 Benchmark - 3 times.**
- (6) Run S3/S4/S5 - 3 times.**

| No. | DDR3 Module   | Test Environment  | Result |
|-----|---|---|--------|
| 1   | Apacer (75.C93DL.G000C 1.35V/1.5V)<br>[512Mx8b-x16/1024Mx64b,CL=11] /<br>Micron (2ED27-D9PCP) /<br>PC3-12800 (DDR3L-1600) /<br>8GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 7 Ultimate 64Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:578<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:6771MB/s<br>WRITE:6819MB/s<br>COPY:6580MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:----<br>Ice Storm:7251<br>Skydiver:----<br>Strike Test:---- | Pass   |

|                 |  |   |                    |
|-----------------|--|---|--------------------|
| <p><b>2</b></p> | <p>Crucial (CT102464BF160B.16FDD<br/>(MT16KTF1G64HZ-1G6D1) 1.35V/1.5V)<br/>[512Mx8b-x16/1024Mx64b,<br/>CL=11-11-11-30] /<br/>Micron (2RD27D9PCP) /<br/>PC3-12800 (DDR3L-1600) /<br/>8GB *1</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1 (Single channel)<br/>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-231DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/>Memory Mark:752<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:8846MB/s<br/>WRITE:8808MB/s<br/>COPY:8333MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:1494<br/>Ice Storm:10759<br/>Skydiver:576<br/>Strike Test:----<br/>Overnight looping under 10 hours</p> | <p><b>Pass</b></p> |
|-----------------|--|---|--------------------|



| No.      | DDR3 Module  | Test Environment  | Result      |
|----------|--|---|-------------|
| <b>3</b> | Transcend (TS1GSK64W6H1.35V/1.5V)<br>[512Mx8b-x16/1Gx64b,CL=11-11-11] /<br>SEC (K4B4G0846D) /<br>PC3L-12800(DDR3L-1600) /<br>8GB*1 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-231DW 18X SATA<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:754<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:8851MB/s<br>WRITE:8807MB/s<br>COPY:8078MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:1468<br>Ice Storm:11838<br>Skydiver:563<br>Strike Test:---- | <b>Pass</b> |

|          |   |  |             |
|----------|---|--|-------------|
| <b>4</b> | <p>INNODISK (M3SP-4GMJDLOC-M<br/>1.35V/1.5V)<br/>[256Mx8b-x16/512Mx64b,CL=9] /<br/>Micron (1XM77-D9PFJ) /<br/>PC3-12800 (DDR3L-1600) /<br/>4GB *2</p> | <p>M/B: BT101-N-E15 Rev.2 (021) (BSE281400002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3815 (BayTrail-I/D0-QGFU) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>CPU Mark:730<br/>Memory Mark:780<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:4651MB/s<br/>WRITE:4248MB/s<br/>COPY:5688MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:----<br/>Ice Storm:4777<br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|----------|---|--|-------------|



|          |   |  |             |
|----------|---|--|-------------|
| <b>5</b> | <p>Apacer (75.B83DL.G000C 1.35V/1.5V)<br/>[256Mx8b-x16/512Mx64b,CL=11] /<br/>Micron (2DM77-D9PFJ) /<br/>PC3-12800 (DDR3L-1600) /<br/>4GB *2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:7797<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13766MB/s<br/><br/>WRITE:10419MB/s<br/><br/>COPY:13360MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1537<br/><br/>Ice Storm:11694<br/><br/>Skydiver:594<br/><br/>Strike Test:177</p> | <b>Pass</b> |
|----------|---|--|-------------|



| No. | DDR3 Module  | Test Environment  | Result |
|-----|--|---|--------|
| 6   | Crucial (CT51264BF160B.16FMR<br>(MT16KTF51264HZ-1G6M1) 1.35V/1.5V)<br>[256Mx8b-x16/512Mx64b,CL=11-11-11-30] /<br>Micron (2RM77D9PFJ) /<br>PC3-12800 (DDR3L-1600) /<br>4GB *2 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SATA HDD: WD / WD5000AAKS SATA2 NCQ 500GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 8.1 Enterprise 64Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>CPU Mark:736<br><br>Memory Mark:621<br><br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br><br>READ:8594MB/s<br><br>WRITE:8313MB/s<br><br>COPY:10119MB/s<br><br>3.3DMark for Windows Ver.1.3.708<br><br>Cloud Gate:----<br><br>Ice Storm:8105<br><br>Skydiver:----<br><br>Strike Test:---- | Pass   |



|          |  |   |             |
|----------|--|---|-------------|
| <b>7</b> | <p>ADATA (ADDS1600W4G11-BMIE<br/>(10281820) 1.35V/1.5V)<br/>[512Mx8b-x8/512Mx64b,CL=11-11-11] /<br/>Micron (3DE77D9Q8J) /<br/>PC3L-12800(DDR3L-1600) /<br/>4GB*2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Asus / SDRW-08D2S-U/BLK/G/AS USB2.0<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:796<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13193MB/s<br/><br/>WRITE:10121MB/s<br/><br/>COPY:11650MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1540<br/><br/>Ice Storm:11210<br/><br/>Skydiver:595<br/><br/>Strike Test:172</p> | <b>Pass</b> |
|----------|--|---|-------------|



|          |  |   |             |
|----------|--|---|-------------|
| <b>8</b> | <p>Transcend (TS512MSK64W6H1.35V/1.5V)<br/>[512Mx8b-x8/512Mx64b,CL=11-11-11] /<br/>SEC (K4B4G0846D) /<br/>PC3L-12800(DDR3L-1600) /<br/>4GB*2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-RW: Asus / SDRW-08D2S-U/BLK/G/AS USB2.0<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 8.1 Enterprise 64Bit (English)(with update)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:779<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13020MB/s<br/><br/>WRITE:10040MB/s<br/><br/>COPY:11747MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1500<br/><br/>Ice Storm:11533<br/><br/>Skydiver:584<br/><br/>Strike Test:173</p> | <b>Pass</b> |
|----------|--|---|-------------|



| No. | DDR3 Module  | Test Environment   | Result |
|-----|--|--|--------|
| 9   | INNODISK (M3SP-2GMJCL0C-M<br>1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=9] /<br>Micron (1WM77-D9PFJ) /<br>PC3-12800 (DDR3L-1600) /<br>2GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 8.1 Enterprise 32Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:363.9<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:7161MB/s<br>WRITE:7439MB/s<br>COPY:7073MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:----<br>Ice Storm:7329<br>Skydiver:----<br>Strike Test:---- | Pass   |



|           |  |  |             |
|-----------|--|--|-------------|
| <b>10</b> | <p>ADATA (ADDS1600C2G11-BHYE<br/>(10281881) 1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=11-11-11] /<br/>Hynix(SK) (H5TC2G83EFR PBA) /<br/>PC3L-12800(DDR3L-1600) /<br/>2GB*2</p> | <p>M/B: BT101-N-E27 Rev.2 (021) (BSE281800002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3827 (BayTrail-I/D0-QGFX) / 1.75GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5"<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>CPU Mark:567<br/>Memory Mark:428.1<br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/>READ:10268MB/s<br/>WRITE:10419MB/s<br/>COPY:11435MB/s<br/>3.3DMark for Windows Ver.1.3.708<br/>Cloud Gate:----<br/>Ice Storm:9332<br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
|-----------|--|--|-------------|



| No. | DDR3 Module   | Test Environment   | Result |
|-----|---|--|--------|
| 11  | Transcend (TS256MSK64W6N1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=11-11-11] /<br>SEC (K4B2G0846Q) /<br>PC3L-12800(DDR3L-1600) /<br>2GB*2 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5"<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-231DW 18X<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 8.1 Enterprise 32Bit (English)<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>CPU Test:1123<br>Memory Mark:492.2<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:13899MB/s<br>WRITE:10468MB/s<br>COPY:12191MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:1525<br>Ice Storm:12209<br>Skydiver:596<br>Strike Test:175 | Pass   |



|           |   |  |             |
|-----------|---|--|-------------|
| <b>12</b> | <p>Apacer (78.B2GCL4210C 1.35V)<br/>[256Mx8b-x16/512Mx64b,CL=9] /<br/>ELPIDA (J2108ECSE-DJ-F) /<br/>PC3-10600 (DDR3L-1333) /<br/>4GB *2</p> | <p>M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br/>Power: EDAC / EA11011M-240<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:817<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:13878MB/s<br/><br/>WRITE:10409MB/s<br/><br/>COPY:13191MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:1562<br/><br/>Ice Storm:11453<br/><br/>Skydiver:603<br/><br/>Strike Test:177</p> | <b>Pass</b> |
|-----------|---|--|-------------|



| No. | DDR3 Module   | Test Environment   | Result |
|-----|---|--|--------|
| 13  | Transcend (TS512MSK64W3N<br>1.35V/1.5V)<br>[256Mx8b-x16/512Mx64b,CL=9] /<br>Hynix (H5TQ2G83BFR-H9C) /<br>PC3-10600 (DDR3L-1333) /<br>4GB *2 | M/B: BT103-N-N30 Rev.2 (021) (BSE282200003)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz<br>DIMM Slot: DIMM-1/2 (Dual channel)<br>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br>Display: On Board<br>DVD-ROM: Pioneer / DVD-230DW 18X SATA<br>Power: EDAC / EA11011M-240<br>O.S.: Windows 7 Ultimate 64Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br><br>Memory Mark:820<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:13890MB/s<br>WRITE:10417MB/s<br>COPY:13337MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:1562<br>Ice Storm:11438<br>Skydiver:602<br>Strike Test:158 | Pass   |

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| <b>14</b> | <p>Apacer (78.A2GCL4200C 1.35V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>ELPIDA (J2108ECSE-DJ-F) /<br/>PC3-10600 (DDR3L-1333) /<br/>2GB *2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-RW: Archgon / MD-3107-U3 USB3.0 Blu-Ray<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:596<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:8696MB/s<br/><br/>WRITE:8391MB/s<br/><br/>COPY:9710MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:----<br/><br/>Ice Storm:7968<br/><br/>Skydiver:----<br/><br/>Strike Test:----</p> | <b>Pass</b> |
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| <b>15</b> | <p>Transcend (TS256MSK64W3N<br/>1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>Hynix (H5TQ2G83BFR-H9C) /<br/>PC3-10600 (DDR3L-1333) /<br/>2GB *2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST31000333AS SATA2 NCQ 1TB/7200RPM<br/>Display: On Board<br/>DVD-RW: Pioneer / DVR-XT11T USB2.0<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 8.1 Enterprise 32Bit (English)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:373.4<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:8704MB/s<br/><br/>WRITE:8389MB/s<br/><br/>COPY:9786MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:----<br/><br/>Ice Storm:8062<br/><br/>Skydiver:----<br/><br/>Strike Test:----</p> | <b>Pass</b> |
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| No. | DDR3 Module  | Test Environment   | Result |
|-----|--|--|--------|
| 16  | Crucial (CT25664BF1339.8FMR<br>(MT8KTF25664HZ-1G4M1) 1.35V/1.5V)<br>[256Mx8b-x8/256Mx64b,CL=9] /<br>Micron (2EM77D9PFJ) /<br>PC3L-10600 (DDR3L-1333) /<br>2GB *1 | M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br>M/B BIOS: AMI-Aptio 08/28/2014<br>EC FW Rev.: 1.0 (2014-07-30)<br>M/B Driver: Demo Aug/05/2014<br>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br>DIMM Slot: DIMM-1 (Single channel)<br>SATA HDD: Seagate / ST3750640SV SATA2 NCQ 750GB/7200RPM<br>Display: On Board<br>DVD-RW: Pioneer / DVR-XT11T USB2.0<br>Power: FSP / FSP060-DBAB1<br>O.S.: Windows 7 Ultimate 32Bit (English) & SP1<br>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br>Memory Mark:355.6<br>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br>READ:7025MB/s<br>WRITE:7242MB/s<br>COPY:6904MB/s<br>3.3DMark for Windows Ver.1.3.708<br>Cloud Gate:----<br>Ice Storm:7239<br>Skydiver:----<br>Strike Test:---- | Pass   |

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| <b>17</b> | <p>Transcend (TS256MSK64W3N1.35V/1.5V)<br/>[256Mx8b-x8/256Mx64b,CL=9] /<br/>SEC (K4B2G0846Q) /<br/>PC3-10600(DDR3L-1333) /<br/>2GB*2</p> | <p>M/B: BT101-N-E26 Rev.2 (021) (BSE281700002)<br/>M/B BIOS: AMI-Aptio 08/28/2014<br/>EC FW Rev.: 1.0 (2014-07-30)<br/>M/B Driver: Demo Aug/05/2014<br/>CPU: Intel / Atom-E3826 (BayTrail-I/D0-SR1X8) / 1.46GHz<br/>DIMM Slot: DIMM-1/2 (Dual channel)<br/>SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5"<br/>Display: On Board<br/>DVD-RW: Pioneer / DVR-XT11T USB2.0<br/>Power: FSP / FSP060-DBAB1<br/>O.S.: Windows 8.1 Enterprise 32Bit (English)<br/>Test Summary: 1.Passmark Performance Test 8.0 Build1027<br/><br/>Memory Mark:372.7<br/><br/>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000<br/><br/>READ:8711MB/s<br/>WRITE:8391MB/s<br/>COPY:9752MB/s<br/><br/>3.3DMark for Windows Ver.1.3.708<br/><br/>Cloud Gate:----<br/>Ice Storm:8107<br/><br/>Skydiver:----<br/>Strike Test:----</p> | <b>Pass</b> |
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