

# 1. Stability Test: Rev.031/0A1

## 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) Run S3/S4/S5 - 3 times.

No.	CPU	Type	Result
1	Intel / 1.91GHz	Atom-E3845 (BayTrail-I/D0-QGFY) / 10W / FCBGA1170	Note ID24178, 24181
2	Intel / 1.75GHz	Atom-E3827 (BayTrail-I/B3-SR1RD) / 8W / FCBGA1170	Pass
3	Intel / 1.46GHz	Atom-E3815 (BayTrail-I/B3-SR1RA) / 5W / FCBGA1170	Pass

**Procedure:**

- (1) Install O.S.
- (2) Check CPU information & specification with CPU-Z.
- (3) Run Passmark Performance Test 8.0 Build1040 - 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.	CPU	Type	Result
1	Intel / 1.83GHz	Celeron-N2930 (BayTrail-M/C0-SR1W3) / 7.5W / FCBGA1170	Pass
2	Intel / 2.0GHz	Celeron-J1900 (BayTrail-D/C0-SR1UT) / 10W / FCBGA1170	Pass

**Procedure:**

- (1) Install O.S.
- (2) Check CPU information & specification with CPU-Z.
- (3) Run S3/S4/S5 - 3 times.

No.	CPU	Type	Result
1	Intel / 1.91GHz	Atom-E3845 (BayTrail-I/D0-SR1X6) / 10W / FCBGA1170	Pass
2	Intel / 1.46GHz	Atom-E3826 (BayTrail-I/D0-SR1X8) / 7W / FCBGA1170	Pass



## 1.2 DDR3 Module 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 or  
Passmark Performance Test 8.0 Build1040 - 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>	NANYA / NT5CC256M8FN-DJ 2Gb DDR3L DRAM *8 (256Mx8b(32Mbitx8 I/Ox8 Banks ,Clock::800MHz,1.35V/1.50V, Data Rate:DDR3L-1600 Bb/s,96 Ball BGA)	M/B: BT9A3-T28-E45 Rev.3 (031) (BSE221000001) & COM100-B Rev.A (A00) (BMD180100017)  M/B BIOS: AMI-Aptio 06/26/2014  EC FW Rev.: 1.3 (2014/06/17)  M/B Driver: Demo Jul/01/2014  CPU: Intel / Atom-E3845 (BayTrail-I/D0-QGFY) / 1.91GHz  eMMC.: On Board (8GB)  SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5"  Display: On Board  DVD-RW: Pioneer / DVR-XT11T USB2.0  Power: EDAC / EA11001F-190  O.S.: Windows 8.1 Enterprise 64Bit (English)  Test Summary: 1.Passmark Performance Test 8.0 Build1027  CPU Mark:1717  Memory Mark:678  2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000  READ:8917MB/s  WRITE:9109MB/s  COPY:8623MB/s  3.3DMark for Windows Ver.1.3.708  Cloud Gate:----  Ice Storm:10321  Skydiver:----  Strike Test:----	<b>Note</b> <b>ID24178,</b> <b>24181</b>

		<p>M/B: BT9A3-B20-E27 Rev.3 (031) (BSE220400005) &amp; COM100-B Rev.A (0A1) (BMD180100056)</p> <p>M/B BIOS: AMI-Aptio 06/26/2014</p> <p>EC FW Rev.: 1.3 (2014/06/17)</p> <p>M/B Driver: Demo Jul/01/2014</p> <p>CPU: Intel / Atom-E3827 (BayTrail-I/B3-SR1RD) / 1.75GHz</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: EDAC / EA11001F-190</p> <p>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1</p> <p>Test Summary: 1.Passmark Performance Test 8.0 Build1027</p> <p style="padding-left: 40px;">CPU Mark:866</p> <p style="padding-left: 40px;">Memory Mark:613</p> <p>2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000</p> <p style="padding-left: 40px;">READ:8668MB/s</p> <p style="padding-left: 40px;">WRITE:9205MB/s</p> <p style="padding-left: 40px;">COPY:8645MB/s</p> <p>3.3DMark for Windows Ver. 1.3.708)3times</p> <p style="padding-left: 40px;">Cloud Gate:1150</p> <p style="padding-left: 40px;">Ice Storm:9088</p> <p style="padding-left: 40px;">Skydiver:531</p> <p style="padding-left: 40px;">Strike Test:----</p>	<p><b>Pass</b></p>
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No.	DDR3 Module	Test Environment	Result
		M/B: BT9A3-B20-E15 Rev.3 (031) (BSE220900003) & COM100-B Rev.A (0A1) (BMD180100038) M/B BIOS: AMI-Aptio 06/26/2014 EC FW Rev.: 1.3 (2014/06/17) M/B Driver: Demo Jul/01/2014 CPU: Intel / Atom-E3815 (BayTrail-I/B3-SR1RA) / 1.46GHz SSD: Silicon Power / SP120GBSS3V60S25 SATA3 120GB/2.5" Display: On Board DVD-RW: Pioneer / DVR-XT11T USB2.0 Power: EDAC / EA11001F-190 O.S.: Windows 8.1 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance Test 8.0 Build1027 CPU Mark:365.3 Memory Mark:420.5 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:4784MB/s WRITE:4259MB/s COPY:5416MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:568 Ice Storm:5118 Skydiver:273 Strike Test:----	<b>Pass</b>



No.	DDR3 Module	Test Environment	Result
2	NANYA / NT5CC256M8FN-DI 2Gb DDR3L DRAM *8 (256Mx8b(32Mbitx8 I/Ox8 Banks, Clock:800MHz,1.35V/1.50V, Data Rate:DDR3L-1600 Bb/s,78 Ball BGA)	M/B: BT9A3-B28-J00 Rev.3 (031) & COM100-B Rev.A (A00) (BMD180100039) M/B BIOS: AMI-Aptio 09/19/2014 EC FW Rev.: 1.2 (2014/09/24) M/B Driver: Demo Sep/18/2014 CPU: Intel / Celeron-J1900 (BayTrail-D/C0-SR1UT) / 2.0GHz eMMC.: On Board (8GB) SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" (AHCI mode) Display: On Board (using DisplayPort) DVD-RW: Pioneer / DVR-XT11T USB2.0 Power: EDAC / EA11001F-190 O.S.: Windows 8.1 Enterprise 64Bit (English) Test Summary: 1.Passmark Performance Test 8.0 Build1040 CPU Mark:1748 Memory Mark:704 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:9374MB/s WRITE:9269MB/s COPY:8796MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1472 Ice Storm Extreme:11183 Sky Diver:593 Fire Strike :No Score	Pass



	<p>M/B: BT9A3-B20-N30 Rev.3 (031) &amp; COM100-B Rev.A (A00) (BMD180100043)</p> <p>M/B BIOS: AMI-Aptio 09/19/2014</p> <p>EC FW Rev.: 1.2 (2014/09/24)</p> <p>M/B Driver: Demo Sep/18/2014</p> <p>CPU: Intel / Celeron N2930 (BayTrail-M/C0-SR1W3) / 1.83GHz</p> <p>SATA HDD: Seagate / ST3160812AS SATA2 NCQ 160GB/7200RPM (AHCI mode)</p> <p>Display: On Board (using DisplayPort)</p> <p>DVD-RW: Asus / SDRW-08D2S-U USB2.0</p> <p>Power: FSP / FSP120-1ADE21</p> <p>O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1</p> <p>Test Summary: 1.Passmark Performance Test 8.0 Build1040 CPU Mark:1562 Memory Mark:636 2.AIDA64 Cache and Memory Benchmark Ver.4.50.3000 READ:9181 MB/s WRITE:9395 MB/s COPY:8569 MB/s 3.3DMark for Windows Ver.1.3.708 Cloud Gate:1446 Ice Storm:10098 Sky Diver:574 Strike Test:===</p>	<p><b>Pass</b></p>
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