

# 1. Stability Test:

## 1.1 CPU Function Test:

<b>Test Purpose</b>	Test CPU functions work normally under Windows Operating System
<b>Test Procedure</b>	1. Install O.S. 2. Check CPU information & specification with CPU-Z. 3. Run Passmark Performance Test 8.0 Build1027 - 1 time. 4. Run 3DMark for Windows Ver.1.2.250 BenchMark - 3 times 5. Check CPU temperature in the BIOS after running 3DMark. 6. Run S3/S4/S5 - 3 times.
<b>Test Criteria</b>	It should be correct for each test step

No.	CPU	Type	CPU Temp.	Result
1	AMD / 2.0GHz	GX-420CA (GE420CIAJ44HM 25W L2:2MB-Shared Quad Core HD 8400E (800MHz))	52.0°C	Pass
2	AMD / 1.5GHz	GX-415GA (GE415GIBJ44HM 15W L2:2MB-Shared Quad Core HD 8330E (500MHz))	50.5°C	Pass
3	AMD / 1.65GHz	GX-217GA (GE217GIBJ23HM 15W L2:1MB-Shared Dual Core HD 8280E (450MHz))	45.5°C	Pass
4	AMD / 1.0GHz	GX-210HA (GE210HICJ23HM 8W L2:1MB-Shared Dual Core HD 8210E (300MHz))	48.0°C	Pass
5	AMD / 1.6GHz	GX-416RA (GE416RIBJ44HM 15W L2:2MB-Shared Quad Core)	36.5°C	Pass

## 1.2 DDR3 SO-DIMM Test

<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. Install O.S</li> <li>2. Check Memory information &amp; specification with CPU-Z.</li> <li>3. Run Passmark Performance Test 8.0 Build1027 - 1 time.</li> <li>4. Run AIDA64 Cache and Memory Benchmark Ver.4.20.2800 - 1 time.</li> <li>5. Run 3DMark for Windows Ver.1.2.250 BenchMark - 3 times.</li> <li>6. Run S3/S4/S5 - 3 times.</li> </ol>
-----------------------	---

### 1.2.1 DDR4 Approved List:

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
<b>1</b>	Transcend	Samsung	16GB	PC4-19200 (DDR4-2400)	K4A8G085wB-BCRC	TS2GLH64V4B	<b>Pass</b>
<b>2</b>	Kingston	Micron	16GB	PC4-19200 (DDR4-2400)	7TE77 D9VPP	CBD24D4U7D8ME-16	<b>Pass</b>
<b>3</b>	Kingston	Micron	8GB	PC4-19200 (DDR4-2400)	7TE77 D9VPP	CBD24D4U7S8ME-8	<b>Pass</b>
<b>4</b>	Kingston	Micron	4GB	PC4-19200 (DDR4-2400)	7QE75 D9WFH	CBD24D4U7S1ME-4	<b>Pass</b>
<b>5</b>	Kingston	Micron	16GB	PC4-19200 (DDR4-2400)	7TE77 D9VPP	CBD24D4U7D8ME-16	<b>Pass</b>
<b>6</b>	Transcend	Micron	8GB	PC3-10600 (DDR3-1333)	1ZD27-D9PBC	TS1GSK64V3H 1.5V [512Mx8b-x16/1 024Mx64b,CL=9]	<b>Pass</b>
<b>7</b>	DSL	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3SH56082XH1 5AA 1.5V	<b>Pass</b>
<b>8</b>	DSL	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3SH56081XH1 5AA 1.5V [256Mx8b-x8/25 6Mx64b,CL=9]	<b>Pass</b>
<b>9</b>	Apacer	ELPIDA	2GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.A2GCL4200C 1.35V [256Mx8b-x8/25 6Mx64b,CL=9]	<b>Pass</b>
<b>10</b>	DSL	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	D3SH28081XH1 5AA 1.5V [128Mx8b-*8/12 8Mx64b,CL=9]	<b>Pass</b>
<b>11</b>	Transcend	Hynix	4GB	PC3-8500 (DDR3-1066)	H5TQ2G83AFRH9C	TS512MSK64V1 N 1.5V [256Mx8b/512M x64b,CL=7-7-7-20]	<b>Pass</b>
<b>12</b>	SILICON	S-POWER	2GB	PC3-8500 (DDR3-1066)	IOYT3NO	SP002GBSTU106 S02 1.5V [128Mx8b/256M x64b,CL=7-7-7-20]	<b>Pass</b>
<b>13</b>	Kingston	ELPIDA	1GB	PC3-8500 (DDR3-1066)	J1108BABG- J-E	KVR1066D3S7/1 G 1.5V [128Mx8bits/128 Mx64bits,CL=7-7-7- 20]	<b>Pass</b>

### 1.2.4 5.3 DDR3 SO-DIMM Test Procedures:

No.	DDR3 Module	Test Procedures		Result
1	Transcend (TS1GSK64V6H 1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (1ZD27-D9PBC) / PC3-12800 (DDR3-1600) / 8GB *2	M/B: M/B BIOS: M/B Driver: CPU: DIMM Slot: SATA HDD: Display: DVD-ROM: Power: O.S.: Test Summary:	KB160-N Rev.2 (021) (BSE020500003) AMI-Aptio 01/24/2014 Demo Nov/19/2013 AMD / GX-217GA / 1.65GHz DIMM-1/2 (Single channel) WD / W 360ADFD SATA1 NCQ 36GB/1000 0RPM On Board Pioneer / DVD-230DW 18 SATA Jagier / KY-580ATX 480W Windows 8 Enterprise 64Bit (English) 1.Passmark Performance test Memory Mark:647 2.AIDA64 Cache and Memory READ:5849MB/s WRITE:4482MB/s COPY:6179MB/s 3.3DMark for Windows Fire Strike Extreme:132 Fire Strike:310 Cloud Gate:1774 Ice Storm Unlimited:22209 Ice Storm Extreme:154 6 Ice Storm:22934 Overnight looping under 11 hours	Pass
2	ADATA (SU3S1600C4G11-B 1.5V) [256Mx8b-x16/512Mx64b,CL=11] / ELPIDA (J2108BCSE-GN-F) / PC3-12800 (DDR3-1600) / 4GB *2	M/B: M/B BIOS: M/B Driver: CPU: DIMM Slot: SATA HDD: Display: DVD-ROM: Power: O.S.: Test Summary:	KB160-N Rev.2 (021) (BS 020500003) AMI-Aptio 01/24/2014 Demo Nov/19/2013 AMD / GX-217GA / 1.65GHz DIMM-1/2 (Single channel) Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" On Board Pioneer / DVD-XD01 8X USB2.0 Slim (USB port 1) Jagier / KY-580ATX 480W Windows 7 Ultimate 64Bit (English) & SP1 1.Passmark Performance test Memory Mark:618 2.AIDA64 Cache and Memory Benchmark READ:8515MB/s WRITE:4817MB/s COPY:7136MB/s 3.3DMark for Windows Fire Strike Extreme:128 Fire Strike:294 Cloud Gate:1809 Ice Storm Unlimited:20523 Ice Storm Extreme:141 2 Ice Storm:21650	Pass
		M/B: M/B BIOS: M/B Driver: CPU: DIMM Slot: SATA HDD: Display: DVD-ROM: Power: O.S.: Test Summary:	KB160-N Rev.2 (021) (BS 020500008) AMI-Aptio 01/24/2014 Demo Nov/19/2013 AMD / GX-210HA / 1.0GHz DIMM-1/2 (Single channel) Crucial / CT120M500SSD1 SATA3 120GB/2.5" On Board Pioneer / DVD-230DW 18 SATA Jagier / KY-580ATX 480W Windows 7 Ultimate 64Bit (English) & SP1 1.Passmark Performance test Memory Mark:469.2 2.AIDA64 Cache and Memory Benchmark READ:4972MB/s WRITE:3684MB/s COPY:5034MB/s 3.3DMark for Windows Fire Strike Extreme:66 Fire Strike:206 Cloud Gate:1226 Ice Storm Unlimited:14549 Ice Storm Extreme:983 Ice Storm:14568	Pass

		<p>M/B: KB160-N Rev.2 (021) (BS 020500011)  M/B BIOS: AMI-Aptio 01/24/2014  M/B Driver: Demo Nov/19/2013  CPU: AMD / GX-415GA / 1.5GHz  DIMM Slot: DIMM-1/2 (Single channel)  SATA HDD: Crucial / CT120M500SSD1 SATA3 120GB/2. 5"  Display: On Board  DVD-ROM: Pioneer / DVD-230DW 18 SATA  Power: Jagier / KY-580ATX 480W  O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1  Test Summary: 1.Passmark Performance test  Memory Mark:644  2.AIDA64 Cache and Memory Benchmark  READ:8504MB/s  WRITE:4818MB/s  COPY:7532MB/s  3.3DMark for Windows  Fire Strike Extreme:141  Fire Strike:312  Cloud Gate:2341  Ice Storm Unlimited:26442  Ice Storm Extreme:166 9  Ice Storm:27818</p>	<b>Pass</b>
<b>3</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: KB160-N Rev.2 (021) (BSE020500003)  M/B BIOS: AMI-Aptio 01/24/2014  M/B Driver: Demo Nov/19/2013  CPU: AMD / GX-217GA / 1.65GHz  DIMM Slot: DIMM-2 (Single channel)  SATA HDD: Seagate / ST9320423AS SATA2 NCQ 320GB/7200RPM/2.5"  Display: On Board  DVD-ROM: Pioneer / DVD-230DW 18 SATA  Power: Jagier / KY-580ATX 480W  O.S.: Windows 8 Enterprise 32Bit (English)  Test Summary: 1.Passmark Performance test  Memory Mark:416  2.AIDA64 Cache and Memory Benchmark  READ:8659MB/s  WRITE:4790MB/s  COPY:7760MB/s  3.3DMark for Windows  Fire Strike Extreme:76  Fire Strike:298  Cloud Gate:1800  Ice Storm Unlimited:22689  Ice Storm Extreme:157 0  Ice Storm:23010</p>	<b>Pass</b>

4	<p>Transcend (JJM11660 00KSN--22G 1.5V) [256Mx8b-x8/256Mx64b,CL=11] / Transcend (TK483PCW3-T1125) / PC3-12800 (DDR3-1600) / 2GB *2</p>	<p>M/B: KB160-N Rev.2 (021) (BS 020500003)  M/B BIOS: AMI-Aptio 01/24/2014  M/B Driver: Demo Nov/19/2013  CPU: AMD / GX-217GA / 1.65GHz  DIMM Slot: DIMM-1/2 (Single channel)  SSD: Crucial / CT120M500SSD1 SATA3 120GB/2. 5"  Display: On Board  DVD-ROM: Pioneer / DVD-230DW 18 SATA  Power: Jagier / KY-580ATX 480W  O.S.: Windows 8 Enterprise 32Bit (English)  Test Summary: 1.Passmark Performance test  Memory Mark:530  2.AIDA64 Cache and Memory Benchmark  READ:8160MB/s  WRITE:4518MB/s  COPY:7620MB/s  3.3DMark for Windows  Fire Strike Extreme:141  Fire Strike:333  Cloud Gate:2474  Ice Storm Unlimited:29242  Ice Storm Extreme:171 6  Ice Storm:29296</p>	Pass
	<p>M/B: KB160-N Rev.2 (021) (BS 020500008)  M/B BIOS: AMI-Aptio 01/24/2014  M/B Driver: Demo Nov/19/2013  CPU: AMD / GX-210HA / 1.0GHz  DIMM Slot: DIMM-1/2 (Single channel)  SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5"  Display: On Board  DVD-ROM: Pioneer / DVD-230DW 18 SATA  Power: Jagier / KY-580ATX 480W  O.S.: Windows 8 Enterprise 32Bit (English)  Test Summary: 1.Passmark Performance test  Memory Mark:321.8  2.AIDA64 Cache and Memory Benchmark  READ:4903MB/s  WRITE:3682MB/s  COPY:5220MB/s  3.3DMark for Windows  Fire Strike Extreme:86  Fire Strike:209  Cloud Gate:1218  Ice Storm Unlimited:14765  Ice Storm Extreme:105 1  Ice Storm:15168</p>	Pass	
	<p>M/B: KB160-N Rev.2 (021) (BSE020500011)  M/B BIOS: AMI-Aptio 01/24/2014  M/B Driver: Demo Nov/19/2013  CPU: AMD / GX-415GA / 1.5GHz  DIMM Slot: DIMM-1/2 (Single channel)  SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5"  Display: On Board  DVD-ROM: Pioneer / DVD-230DW 18 SATA  Power: Jagier / KY-580ATX 480W  O.S.: Windows 8 Enterprise 32Bit (English)  Test Summary: 1.Passmark Performance test  Memory Mark:437.8  2.AIDA64 Cache and Memory Benchmark  READ:8390MB/s  WRITE:4816MB/s  COPY:7712MB/s  3.3DMark for Windows  Fire Strike Extreme:139  Fire Strike:349  Cloud Gate:2366  Ice Storm Unlimited:29389  Ice Storm Extreme:190 3  Ice Storm:29244</p>	Pass	

<b>5</b>	<p>Hynix (HMT312S6BFR6C-PBNO 1.5V) [128Mx16b-x4/128Mx64b,CL=11] / Hynix (H5TQ2G63BFR PBC) / PC3-12800 (DDR3-1600) / 1GB *2</p>	<p>M/B: KB160-N Rev.2 (021) (BSE020500011) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-415GA / 1.5GHz DIMM Slot: DIMM-1/2 (Single channel) SATA HDD: Seagate / ST500DM002 SATA3 NCQ 500GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1 Test Summary: 1.Passmark Performance test Memory Mark:405 2.AIDA64 Cache and Memory Benchmark READ:8087MB/s WRITE:4790MB/s COPY:7118MB/s 3.3DMark for Windows Fire Strike Extreme:110 Fire Strike:333 Cloud Gate:2361 Ice Storm Unlimited:26932 Ice Storm Extreme:170 1 Ice Storm:28044</p>	<b>Pass</b>
		<p>M/B: KB160-N Rev.2 (021) (BSE020500003) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-217GA / 1.65GHz DIMM Slot: DIMM-1/2 (Single channel) SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1 Test Summary: 1.Passmark Performance test Memory Mark:423 2.AIDA64 Cache and Memory Benchmark READ:5728MB/s WRITE:4399MB/s COPY:6366MB/s 3.3DMark for Windows Fire Strike Extreme:95 Fire Strike:280 Cloud Gate:2240 Ice Storm Unlimited:15905 Ice Storm Extreme:170 5 Ice Storm:28030</p>	<b>Pass</b>

6	Transcend (TS1GSK64V3H 1.5V) [512Mx8b-x16/1024Mx64b,CL=9] / Micron (1ZD27-D9PBC) / PC3-10600 (DDR3-1333) / 8GB *2	M/B: KB160-N Rev.2 (021) (BS 020500003) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: CPU: Demo Nov/19/2013 DIMM Slot: SATA AMD / GX-217GA / 1.65GHz HDD: DIMM-1/2 (Single channel) Display: DVD- Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" ROM: On Board Power: O.S.: Pioneer / DVD-230DW 18 SATA Test Summary: Jagier / KY-580ATX 480W Windows 7 Ultimate 64Bit (English) & SP1 1.Passmark Performance test Memory Mark:689 2.AIDA64 Cache and Memory Benchmark READ:7817MB/s WRITE:4720MB/s COPY:6777MB/s 3.3DMark for Windows Fire Strike Extreme:111 Fire Strike:267 Cloud Gate:1712 Ice Storm Unlimited:20527 Ice Storm Extreme:133 0 Ice Storm:26987	Pass
		M/B: KB160-N Rev.2 (021) (BS 020500008) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-210HA / 1.0GHz DIMM Slot: DIMM-1/2 (Single channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2. 5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: 1.Passmark Performance test Memory Mark:466.1 2.AIDA64 Cache and Memory Benchmark READ:4783MB/s WRITE:3617MB/s COPY:5075MB/s 3.3DMark for Windows Fire Strike Extreme:66 Fire Strike:208 Cloud Gate:1221 Ice Storm Unlimited:14383 Ice Storm Extreme:978 Ice Storm:14509	Pass
		M/B: KB160-N Rev.2 (021) (BS 020500011) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-415GA / 1.5GHz DIMM Slot: DIMM-1/2 (Single channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2. 5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 64Bit (English) & SP1 Test Summary: 1.Passmark Performance test Memory Mark:639 2.AIDA64 Cache and Memory Benchmark READ:7890MB/s WRITE:4723MB/s COPY:6786MB/s 3.3DMark for Windows Fire Strike Extreme:129 Fire Strike:293 Cloud Gate:2159 Ice Storm Unlimited:24937 Ice Storm Extreme:154 2 Ice Storm:25976 Overnight looping under 11 hours	Pass

7	DSL (D3SH56082XH15AA 1.5V) / Hynix (H5TQ2G83BFR H9C) / PC3-10600 (DDR3-1333) / 4GB *2	M/B: KB160-N Rev.2 (021) (BSE020500003) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-217GA / 1.65GHz DIMM Slot: DIMM-1/2 (Single channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2. 5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8 Enterprise 64Bit (English) Test Summary: 1.Passmark Performance test Memory Mark:639 2.AIDA64 Cache and Memory Benchmark READ:5653MB/s WRITE:4354MB/s COPY:6052MB/s 3.3DMark for Windows Fire Strike Extreme:128 Fire Strike:291 Cloud Gate:1667 Ice Storm Unlimited:20485 Ice Storm Extreme:150 4 Ice Storm:21809	<b>Pass</b>
		M/B: KB160-N Rev.2 (021) (BSE020500008) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-210HA / 1.0GHz DIMM Slot: DIMM-1/2 (Single channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2. 5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8 Enterprise 64Bit (English) Test Summary: 1.Passmark Performance test Memory Mark:468.7 2.AIDA64 Cache and Memory Benchmark READ:4714MB/s WRITE:3685MB/s COPY:5175MB/s 3.3DMark for Windows Fire Strike Extreme:83 Fire Strike:202 Cloud Gate:1198 Ice Storm Unlimited:14812 Ice Storm Extreme:104 7 Ice Storm:15308 Overnight looing under 11 hours	<b>Pass</b>



8	DSL (D3SH56081XH15AA 1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR H9C) / PC3-10600 (DDR3-1333) / 2GB *2	M/B: KB160-N Rev.2 (021) (BSE020500003) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-217GA / 1.65GHz DIMM Slot: DIMM-1/2 (Single channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2. 5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: 1.Passmark Performance test Memory Mark:465.2 2.AIDA64 Cache and Memory Benchmark READ:5572MB/s WRITE:4567MB/s COPY:6267MB/s 3.3DMark for Windows Fire Strike Extreme:113 Fire Strike:293 Cloud Gate:1746 Ice Storm Unlimited:20929 Ice Storm Extreme:136 6 Ice Storm:21652	Pass
		M/B: KB160-N Rev.2 (021) (BSE020500008) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-210HA / 1.0GHz DIMM Slot: DIMM-1/2 (Single channel) SSD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: 1.Passmark Performance test Memory Mark:319.7 2.AIDA64 Cache and Memory Benchmark READ:4733MB/s WRITE:3681MB/s COPY:5243MB/s 3.3DMark for Windows Fire Strike Extreme:102 Fire Strike:213 Cloud Gate:1229 Ice Storm Unlimited:14658 Ice Storm Extreme:996 Ice Storm:14644	Pass
9	Apacer (78.A2GCL4200C 1.35V) [256Mx8b-x8/256Mx64b,CL=9] / ELPIDA (J2108ECSE-DJ-F) / PC3-10600 (DDR3L-1333) / 2GB *2	M/B: KB160-N Rev.2 (021) (BSE020500003) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-217GA / 1.65GHz DIMM Slot: DIMM-1/2 (Single channel) SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: 1.Passmark Performance test Memory Mark:470.6 2.AIDA64 Cache and Memory Benchmark READ:5563MB/s WRITE:4364MB/s COPY:6211MB/s 3.3DMark for Windows Fire Strike Extreme:144 Fire Strike:287 Cloud Gate:1744 Ice Storm Unlimited:20881 Ice Storm Extreme:137 4 Ice Storm:21579	Pass

<b>10</b>	DSL (D3SH28081XH15AA 1.5V) [128Mx8b-*8/128Mx64b,CL=9] / Hynix (H5TQ1G83BFR H9C) / PC3-10600 (DDR3-1333) / 1GB *2	M/B: KB160-N Rev.2 (021) (BS 020500003) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-217GA / 1.65GHz DIMM Slot: DIMM-1/2 (Single channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2. 5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance test Memory Mark:414.9 2.AIDA64 Cache and Memory Benchmark READ:5624MB/s WRITE:4169MB/s COPY:6285MB/s 3.3DMark for Windows Fire Strike Extreme:98 Fire Strike:276 Cloud Gate:1738 Ice Storm Unlimited:22251 Ice Storm Extreme:151 3 Ice Storm:22667	<b>Pass</b>
	M/B: KB160-N Rev.2 (021) (BS 020500008) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-210HA / 1.0GHz DIMM Slot: DIMM-1/2 (Single channel) SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance test Memory Mark:285 2.AIDA64 Cache and Memory Benchmark READ:4895MB/s WRITE:3704MB/s COPY:5232MB/s 3.3DMark for Windows Fire Strike Extreme:97 Fire Strike:207 Cloud Gate:1219 Ice Storm Unlimited:14798 Ice Storm Extreme:105 3 Ice Storm:15107	<b>Pass</b>	

11	Transcend (TS512MSK64V1N 1.5V) [256Mx8b/512Mx64b,CL=7-7-7-20] / Hynix (H5TQ2G83AFRH9C) / PC3-8500 (DDR3-1066) / 4GB *2	M/B: M/B BIOS: M/B Driver: CPU: DIMM Slot: SATA HDD: Display: DVD-ROM: Power: O.S.: Test Summary:	KB160-N Rev.2 (021) (BS 020500003) AMI-Aptio 01/24/2014 Demo Nov/19/2013 AMD / GX-217GA / 1.65GHz DIMM-1/2 (Single channel) Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" On Board Pioneer / DVD-XD01 8X USB2.0 Slim (USB p ort 3_0) Jagier / KY-580ATX 480W Windows 7 Ultimate 64Bit (English) & SP1 1.Passmark Performance test Memory Mark:599 2.AIDA64 Cache and Memory Benchmark READ:5213MB/s WRITE:4286MB/s COPY:5776MB/s 3.3DMark for Windows Fire Strike Extreme:107 Fire Strike:253 Cloud Gate:1598 Ice Storm Unlimited:19102 Ice Storm Extreme:122 7 Ice Storm:19334	Pass
		M/B: M/B BIOS: M/B Driver: CPU: DIMM Slot: SSD: Display: DVD-ROM: Power: O.S.: Test Summary:	KB160-N Rev.2 (021) (BS 020500011) AMI-Aptio 01/24/2014 Demo Nov/19/2013 AMD / GX-415GA / 1.5GHz DIMM-1/2 (Single channel) Crucial / CT120M500SSD1 SATA3 120GB/2. 5" On Board Pioneer / DVD-230DW 18 SATA Jagier / KY-580ATX 480W Windows 7 Ultimate 64Bit (English) & SP1 1.Passmark Performance test Memory Mark:598 2.AIDA64 Cache and Memory Benchmark READ:6758MB/s WRITE:4783MB/s COPY:6131MB/s 3.3DMark for Windows Fire Strike Extreme:123 Fire Strike:261 Cloud Gate:1985 Ice Storm Unlimited:22952 Ice Storm Extreme:140 9 Ice Storm:23570	Pass
12	SILICON (SP002GBSTU106S02 1.5V) [128Mx8b/256Mx64b,CL=7-7-7-20] / S-POWER (IOYT3NO) / PC3-8500 (DDR3-1066) / 2GB *2	M/B: M/B BIOS: M/B Driver: CPU: DIMM Slot: SATA HDD: Display: DVD-ROM: Power: O.S.: Test Summary:	KB160-N Rev.2 (021) (BS 020500003) AMI-Aptio 01/24/2014 Demo Nov/19/2013 AMD / GX-217GA / 1.65GHz DIMM-1/2 (Single channel) Seagate / ST9500420ASG SATA2 NCQ 500GB/7200/2.5" On Board Pioneer / DVD-230DW 18 SATA Jagier / KY-580ATX 480W Windows 7 Ultimate 32Bit (English) & SP1 1.Passmark Performance test Memory Mark:424 2.AIDA64 Cache and Memory Benchmark READ:5328MB/s WRITE:4531MB/s COPY:5999MB/s 3.3DMark for Windows Fire Strike Extreme:120 Fire Strike:273 Cloud Gate:1631 Ice Storm Unlimited:19305 Ice Storm Extreme:126 2 Ice Storm:20170	Pass

13	Kingston (KVR1066D3S7/1G 1.5V) [128Mx8bits/128Mx64bits,CL=7-7-7-20] / ELPIDA (J1108BAG-DJ-E) / PC3-8500 (DDR3-1066) / 1GB *2	M/B: KB160-N Rev.2 (021) (BSE020500003) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-217GA / 1.65GHz DIMM Slot: DIMM-1/2 (Single channel) SSD: Crucial / CT120M500SSD1 SATA3 120GB/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance test Memory Mark:338.3 2.AIDA64 Cache and Memory Benchmark READ:3380MB/s WRITE:2668MB/s COPY:3628MB/s 3.3DMark for Windows Fire Strike Extreme:0 Fire Strike:238 Cloud Gate:1557 Ice Storm Unlimited:19156 Ice Storm Extreme:136 3 Ice Storm:20245	Pass
	M/B: KB160-N Rev.2 (021) (BSE020500008) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-210HA / 1.0GHz DIMM Slot: DIMM-1/2 (Single channel) SATA HDD: Seagate / ST9200420AS SATA2 NCQ 200GB/7200RPM/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance test Memory Mark:321.8 2.AIDA64 Cache and Memory Benchmark READ:4903MB/s WRITE:3682MB/s COPY:5220MB/s 3.3DMark for Windows Fire Strike Extreme:86 Fire Strike:209 Cloud Gate:1218 Ice Storm Unlimited:14765 Ice Storm Extreme:105 1 Ice Storm:15168	Pass	
	M/B: KB160-N Rev.2 (021) (BS 020500011) M/B BIOS: AMI-Aptio 01/24/2014 M/B Driver: Demo Nov/19/2013 CPU: AMD / GX-415GA / 1.5GHz DIMM Slot: DIMM-1/2 (Single channel) SATA HDD: Crucial / CT120M500SSD1 SATA3 120GB/2.5" Display: On Board DVD-ROM: Pioneer / DVD-230DW 18 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: 1.Passmark Performance test Memory Mark:427.1 2.AIDA64 Cache and Memory Benchmark READ:6948MB/s WRITE:4814MB/s COPY:6335MB/s 3.3DMark for Windows Fire Strike Extreme:79 Fire Strike:288 Cloud Gate:2006 Ice Storm Unlimited:27077 Ice Storm Extreme:173 3 Ice Storm:27125	Pass	