

# 1. Stability Test: Rev.023/0A1

## 1.1 CPU Test:

**Procedure:**

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

No.	CPU	Type	CPU Temp.	Result
1	Intel / 3.1GHz	Core i7-4770S (Haswell/C0-SR14H) / 65W / LGA1150	46 °C	Pass
2	Intel / 2.3GHz	Core i7-4770TE (Haswell/C0-SR183) / 45W / LGA1150	37 °C	Pass
3	Intel / 2.0GHz	Core i7-4765T (Haswell/C0-SR14Q) / 35W / LGA1150	55 °C	Pass
4	Intel / 2.3GHz	Core i5-4670T (Haswell/C0-SR14P) / 45W / LGA1150	47 °C	Pass
5	Intel / 2.7GHz	Core i5-4570TE (Haswell/C0-SR17Z) / 35W / LGA1150	34 °C	Pass
6	Intel / 2.7GHz	Core i5-4570TE (Haswell/C0-QEEH) / 35W / LGA1150	32 °C	Pass
7	Intel / 2.3GHz	Xeon Processor E3-1268L V3 (Haswell/H3-QEEG) / 45W / LGA1150	32 °C	Pass

## 1.2 DDR3 SO-DIMM Test:

**Procedure:**

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

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
1	Transcend	Micron	8GB	PC3-12800 (DDR3-1600)	1ZD27-D9PBC	TS1GSK64V6H 1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass
2	Apacer	Micron	8GB	PC3-12800 (DDR3L-1600)	2ED27-D9PCP	75.C93DL.G000C 1.35V/1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass
3	Crucial	Micron	8GB	PC3-12800 (DDR3L-1600)	2RD27D9PCP	CT102464BF160B.16FDD (MT16KTF1G64HZ-1G6D1) 1.35/1.5V [512Mx8b-x16/1024Mx64b,CL=11-1 1-11-30]	Pass
4	Hynix	Hynix	4GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	HMT351S6BFR8C-PBNO 1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass



<b>5</b>	ADATA	ELPIDA	4GB	PC3-12800 (DDR3-1600)	J2108BCSE-GN-F	SU3S1600C4G11-B 1.5V [256Mx8b-x16/512Mx64b,CL=11]	<b>Pass</b>
<b>6</b>	INNODISK	Micron	4GB	PC3-12800 (DDR3L-1600)	1XM77-D9PFJ	M3SP-4GMJDL0C-M 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	<b>Pass</b>
<b>7</b>	Hynix	Hynix	2GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	HMT325S6BFR8C-PBNO 1.5V [256Mx8b-x8/256Mx64b,CL=11]	<b>Pass</b>
<b>8</b>	ADATA	ELPIDA	2GB	PC3-12800 (DDR3-1600)	J2108BCSE-GN-F	EL74C1B08 10281590 1.5V [256Mx8b-x8/256Mx64b,CL=11-11-11]	<b>Pass</b>



No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
9	INNODISK	Micron	2GB	PC3-12800 (DDR3L-1600)	1WM77-D9PFJ	M3SP-2GMJCL0C-M 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
10	Hynix	Hynix	1GB	PC3-12800 (DDR3-1600)	H5TQ2G63BFR PBC	HMT312S6BFR6C-PBNO 1.5V [128Mx16b-x4/128Mx64b,CL=11]	Pass
11	Transcend	Micron	8GB	PC3-10600 (DDR3-1333)	1ZD27-D9PBC	TS1GSK64V3H 1.5V [512Mx8b-x16/1024Mx64b,CL=9]	Pass
12	Transcend	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83AFR H9C	TS512MSK64V3N 1.5V [256Mx8b/512Mx64b,Timings(Max) =9-9-9-24]	Pass
13	DSL	Hynix	4GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3SH56082XH15AA 1.5V	Pass
14	Crucial	Micron	4GB	PC3-10600 (DDR3-1333)	ICD77D9LGK	CT51264BC1339.16FR 1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
15	Apacer	ELPIDA	4GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.B2GCL4210C 1.35V [256Mx8b-x16/512Mx64b,CL=9]	Pass
16	DSL	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	D3SH56081XH15AA 1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
17	Transcend	ELPIDA	2GB	PC3-10600 (DDR3-1333)	J1108BFBG-DJ-F	TS256MSK64V3U 1.5V [128Mx8b-*16/256Mx64b,CL=9]	Pass
18	Crucial	Micron	2GB	PC3-10600 (DDR3-1333)	OMD12D9LGK	CT25664BC1339.8FD 1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
19	Transcend	Hynix	2GB	PC3-10600 (DDR3-1333)	H5TQ2G83BFR H9C	TS256MSK64V3N 1.5V [256Mx8b-*8/256Mx64b,CL=9]	Pass
20	Apacer	ELPIDA	2GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.A2GCL4200C 1.35V [256Mx8b-x8/256Mx64b,CL=9]	Pass
21	Transcend	Hynix	2GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS256MSK64W3N 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
22	DSL	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	D3SH28081XH15AA 1.5V [128Mx8b-*8/128Mx64b,CL=9]	Pass
23	Crucial	Micron	1GB	PC3-10600 (DDR3-1333)	0NDI2-D9LGQ	CT12864BC1339.4FD 1.5V [128Mx16b-x4/128Mx64b,CL=9]	Pass
24	Kingston	ELPIDA	4GB	PC3-8500 (DDR3-1066)	J2108BASE-DJ-F	KVR1066D3S7/4G 1.5V [128Mx8bits/128Mx64bits,CL=7]	Pass
25	Apacer	Apacer	2GB	PC3-8500 (DDR3-1066)	AM5D5808MIJSBG 1.5V	AM5D5808MIJSBG 1.5V	Pass



<b>26</b>	SILICON	S-POWER	2GB	PC3-8500 (DDR3-1066)	IOYT3NO	SP002GBSTU106S02 1.5V [128Mx8b/256Mx64b,CL=7-7-7-20]	<b>Pass</b>
<b>27</b>	Transcend	SEC	1GB	PC3-8500 (DDR3-1066)	K4B1G0846D	TS128MSK64V1U 1.5V±0.75 [128Mx8bits/128Mx64bits,CL=6,7,8]	<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 3DMark11 Demo Edition Ver.1.0.5 BenchMark - 3 times.**
- (4) Run S3/S4/S5 - 3 times.**

No.	DDR3 Module	Test Environment	3DMark Score	Result
1	Transcend (TS1GSK64V6H 1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (1ZD27-D9PBC) / PC3-12800 (DDR3-1600) / 8GB *1	M/B: HD101-H81D Rev.2 (023) (BSD250500013) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i5-4570TE (Haswell/C0-SR17Z) / 2.7GHz DIMM Slot: DIMM-2 (Single channel) SSD: Intel / SSDSC2CW120A3K5 SATA3 120GB/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 64Bit (English) Test Summary: Overnight looping under 14 hours	P950	Pass
2	Apacer (75.C93DL.G000C 1.35V/1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (2ED27-D9PCP) / PC3-12800 (DDR3L-1600) / 8GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i7-4770TE (Haswell/C0-SR183) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: TEAM / TG060GS25AS2M SATA3 60GB/2.5" Display: On Board DVD-ROM: Lite-On / IT iHDS118-07 18X SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 64Bit (English) Test Summary: Overnight looping under 11 hours	P970	Pass

<p><b>3</b></p>	<p>Crucial (CT102464BF160B.16FDD) (MT16KTF1G64HZ-1G6D1) 1.35V/1.5V) [512Mx8b-x16/1024Mx64b, CL=11-11-11-30] / Micron (2RD27D9PCP) / PC3-12800 (DDR3L-1600) / 8GB *2</p>	<p>M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-231DW 18X SATA Power: Delta / GPS-500BB 500W FSP / FSP060-1AD101C O.S.: Windows 8 Enterprise 64Bit (English)</p>	<p><b>P1024</b></p>	<p><b>Pass</b></p>
<p><b>4</b></p>	<p>Hynix (HMT351S6BFR8C-PBNO 1.5V) [256Mx8b-x16/512Mx64b,CL=11] / Hynix (H5TQ2G83BFR PBC) / PC3-12800 (DDR3-1600) / 4GB *1</p>	<p>M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-2 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-231DW 18X SATA Power: Delta / GPS-500BB 500W FSP / FSP060-1AD101C O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1 Test Summary: Overnight looping under 11 hours</p>	<p><b>P1052</b></p>	<p><b>Pass</b></p>



No.	DDR3 Module	Test Environment	3DMark Score	Result
5	ADATA (SU3S1600C4G11-B 1.5V) [256Mx8b-x16/512Mx64b,CL=11] / ELPIDA (J2108BCSE-GN-F) / PC3-12800 (DDR3-1600) / 4GB *1	M/B: HR101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i7-4765T (Haswell/C0-SR14Q) / 2.0GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: Overnight looping under 12 hours	P817	Pass
6	INNODISK (M3SP-4GMJDL0C-M 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=9] / Micron (1XM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 4GB *2	M/B: HR101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 64Bit (English)	P1030	Pass
7	Hynix (HMT325S6BFR8C-PBNO 1.5V) [256Mx8b-x8/256Mx64b,CL=11] / Hynix (H5TQ2G83BFR PBC) / PC3-12800 (DDR3-1600) / 2GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500013) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i7-4770TE (Haswell/C0-SR183) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Intel / SSDSC2CW120A3K5 SATA3 120GB/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W FSP / FSP060-DBAB1 O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: Overnight looping under 10 hours	P974	Pass

<p><b>8</b></p>	<p>ADATA (EL74C1B08 10281590 1.5V) [256Mx8b-x8/256Mx64b, CL=11-11-11] / ELPIDA (J2108BCSE-GN-F) / PC3-12800 (DDR3-1600) / 2GB *2</p>	<p>M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-RW: Pioneer / DVD-231DW 18X SATA Power: Delta / GPS-500BB 500W FSP / FSP060-1AD101C O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1</p>	<p><b>P1020</b></p>	<p><b>Pass</b></p>
<p><b>9</b></p>	<p>INNODISK (M3SP-2GMJCL0C-M 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Micron (1WM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 2GB *1</p>	<p>M/B: HD101-H81D Rev.2 (023) (BSD250500013) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i7-4770TE (Haswell/C0-SR183) / 2.3GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / ST9320325AS SATA2 NCQ 320GB/5400RPM/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 32Bit (English) Test Summary: Overnight looping under 10 hours</p>	<p><b>P932</b></p>	<p><b>Pass</b></p>





No.	DDR3 Module	Test Environment	3DMark Score	Result
10	Hynix (HMT312S6BFR6C-PBNO 1.5V) [128Mx16b-x4/128Mx64b,CL=11] / Hynix (H5TQ2G63BFR PBC) / PC3-12800 (DDR3-1600) / 1GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i5-4570TE (Haswell/C0-QEEH) / 2.7GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-231DW 18X SATA Power: Delta / GPS-500BB 500W FSP / FSP060-1AD101C O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P707	Pass
11	Transcend (TS1GSK64V3H 1.5V) [512Mx8b-x16/1024Mx64b,CL=9] / Micron (1ZD27-D9PBC) / PC3-10600 (DDR3-1333) / 8GB *1	M/B: HR101-H81D Rev.2 (023) (BSD250500011) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 7 Ultimate 64Bit (English) & SP1	P851	Pass
12	Transcend (TS512MSK64V3N 1.5V) [256Mx8b/512Mx64b, Timings(Max)=9-9-9-24] / Hynix (H5TQ2G83AFR H9C) / PC3-10600 (DDR3-1333) / 4GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500013) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i7-4770TE (Haswell/C0-SR183) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Seagate / ST9320325AS SATA2 NCQ 320GB/5400RPM/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 64Bit (English) Test Summary: Overnight looping under 10 hours	P966	Pass

<p><b>13</b></p>	<p>DSL (D3SH56082XH15AA 1.5V) / Hynix (H5TQ2G83BFR H9C) / PC3-10600 (DDR3-1333) / 4GB *1</p>	<p>M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Xeon E3-1268L V3 (Haswell/H3-QEEG) / 2.3GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-231DW 18X SATA Power: Delta / GPS-500BB 500W FSP / FSP060-1AD101C O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1</p>	<p><b>P898</b></p>	<p><b>Pass</b></p>
<p><b>14</b></p>	<p>Crucial (CT51264BC1339.16FR 1.5V) [256Mx8b-x16/512Mx64b,CL=9] / Micron (ICD77D9LGK) / PC3-10600 (DDR3-1333) / 4GB *2</p>	<p>M/B: HD101-H81D Rev.2 (023) (BSD250500011) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i7-4770S (Haswell/C0-SR14H) / 3.1GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Intel / SSDSC2CW060A3K5 SATA3 60GB/2.5" Display: On Board DVD-RW: Lite-On / IT iHAS324 SATA Power: Delta / GPS-400BB 400W O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1 Test Summary: Overnight looping for 12 hours</p>	<p><b>P1392</b></p>	<p><b>Pass</b></p>



No.	DDR3 Module	Test Environment	3DMark Score	Result
15	Apacer (78.B2GCL4210C 1.35V) [256Mx8b-x16/512Mx64b,CL=9] / ELPIDA (J2108ECSE-DJ-F) / PC3-10600 (DDR3L-1333) / 4GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-231DW 18X SATA Power: Delta / GPS-500BB 500W FSP / FSP060-1AD101C O.S.: Windows 8 Enterprise 64Bit (English)	P1001	Pass
16	DSL (D3SH56081XH15AA 1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR H9C) / PC3-10600 (DDR3-1333) / 2GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Xeon E3-1268L V3 (Haswell/H3-QEEG) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-231DW 18X SATA Power: Delta / GPS-500BB 500W FSP / FSP060-1AD101C O.S.: Windows 8 Enterprise 32Bit (English)	P926	Pass
17	Transcend (TS256MSK64V3U 1.5V) [128Mx8b-*16/256Mx64b,CL=9] / ELPIDA (J1108BFBG-DJ-F) / PC3-10600 (DDR3-1333) / 2GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i5-4570TE (Haswell/C0-SR17Z) / 2.7GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Intel / SSDSC2CW060A3K5 SATA3 60GB/2.5" Display: On Board DVD-ROM: Lite-On / IT iHDS118-07 18X SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P772	Pass

<p><b>18</b></p>	<p>Crucial (CT25664BC1339.8FD 1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Micron (OMD12D9LGK) / PC3-10600 (DDR3-1333) / 2GB *1</p>	<p>M/B: HR101-H81D Rev.2 (023) (BSD250500011) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i5-4570TE (Haswell/C0-SR17Z) / 2.7GHz DIMM Slot: DIMM-2 (Single channel) SSD: Intel / SSDSC2CW060A3K5 SATA3 60GB/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 7 Ultimate 32Bit (English) &amp; SP1 Test Summary: Overnight looping under 11 hours</p>	<p><b>P656</b></p>	<p><b>Pass</b></p>
<p><b>19</b></p>	<p>Transcend (TS256MSK64V3N 1.5V) [256Mx8b-*8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR H9C) / PC3-10600 (DDR3-1333) / 2GB *1</p>	<p>M/B: HD101-H81D Rev.2 (023) (BSD250500013) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i7-4770TE (Haswell/C0-SR183) / 2.3GHz DIMM Slot: DIMM-1 (Single channel) SATA HDD: Seagate / ST9320325AS SATA2 NCQ 320GB/5400RPM/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 32Bit (English)</p>	<p><b>P913</b></p>	<p><b>Pass</b></p>



No.	DDR3 Module	Test Environment	3DMark Score	Result
20	Apacer (78.A2GCL4200C 1.35V) [256Mx8b-x8/256Mx64b,CL=9] / ELPIDA (J2108ECSE-DJ-F) / PC3-10600 (DDR3L-1333) / 2GB *1	M/B: HR101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-2 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P896	Pass
21	Transcend (TS256MSK64W3N 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR-H9C) / PC3-10600 (DDR3L-1333) / 2GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Maxtor / STM3320614AS SATA2 NCQ 320GB/7200RPM Display: On Board DVD-ROM: Pioneer / DVD-231DW 18X SATA Power: Delta / GPS-500BB 500W FSP / FSP060-1AD101C O.S.: Windows 8 Enterprise 32Bit (English)	P1002	Pass
22	DSL (D3SH28081XH15AA 1.5V) [128Mx8b-*8/128Mx64b,CL=9] / Hynix (H5TQ1G83BFR H9C) / PC3-10600 (DDR3-1333) / 1GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500013) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i7-4770TE (Haswell/C0-SR183) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Seagate / ST9320325AS SATA2 NCQ 320GB/5400RPM/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W FSP / FSP060-DBAB1 O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P969	Pass

<p><b>23</b></p>	<p>Crucial (CT12864BC1339.4FD 1.5V) [128Mx16b-x4/128Mx64b,CL=9] / Micron (0NDI2-D9LGQ) / PC3-10600 (DDR3-1333) / 1GB *2</p>	<p>M/B: HR101-H81D Rev.2 (023) (BSD250500011) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Intel / SSDSC2CW060A3K5 SATA3 60GB/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 32Bit (English)</p>	<p><b>P888</b></p>	<p><b>Pass</b></p>
<p><b>24</b></p>	<p>Kingston (KVR1066D3S7/4G 1.5V) [128Mx8bits/128Mx64bits,CL=7] / ELPIDA (J2108BASE-DJ-F) / PC3-8500 (DDR3-1066) / 4GB *2</p>	<p>M/B: HR101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 7 Ultimate 64Bit (English) &amp; SP1</p>	<p><b>P835</b></p>	<p><b>Pass</b></p>



No.	DDR3 Module	Test Environment	3DMark Score	Result
25	Apacer (AM5D5808MIJSBG 1.5V) / Apacer (AM5D5808MIJSBG 1.5V) / PC3-8500 (DDR3-1066) / 2GB *1	M/B: HR101-H81D Rev.2 (023) (BSD250500009) M/B BIOS: AMI-Aptio 09/25/2013 M/B Driver: Demo Oct/15/2013 CPU: Intel / Core i5-4670T (Haswell/C0-SR14P) / 2.3GHz DIMM Slot: DIMM-2 (Single channel) SATA HDD: Maxtor / STM3160813AS SATA2 NCQ 160GB/7200RPM Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Jagier / KY-580ATX 480W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 32Bit (English)	P846	Pass
26	SILICON (SP002GBSTU106S02 1.5V) [128Mx8b/256Mx64b,CL=7-7-7-20] / S-POWER (IOYT3NO) / PC3-8500 (DDR3-1066) / 2GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500013) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i5-4570TE (Haswell/C0-SR17Z) / 2.7GHz DIMM Slot: DIMM-1/2 (Dual channel) SATA HDD: Seagate / ST9320325AS SATA2 NCQ 320GB/5400RPM/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 64Bit (English)	P938	Pass
27	Transcend (TS128MSK64V1U 1.5V±0.75) [128Mx8bits/128Mx64bits,CL=6,7,8] / SEC (K4B1G0846D) / PC3-8500 (DDR3-1066) / 1GB *2	M/B: HD101-H81D Rev.2 (023) (BSD250500013) M/B BIOS: AMI-Aptio 07/29/2013 M/B Driver: Demo Aug/05/2013 CPU: Intel / Core i7-4770TE (Haswell/C0-SR183) / 2.3GHz DIMM Slot: DIMM-1/2 (Dual channel) SSD: Intel / SSDSC2CW120A3K5 SATA3 120GB/2.5" Display: On Board DVD-RW: Lite-On / iHAS324-U32D SATA Power: Delta / GPS-500BB 500W FSP / FSP060-DBAB1 O.S.: Windows 8 Enterprise 32Bit (English)	P965	Pass