

1. Stability Test: Rev.011/0A2

1.1 DDR3 SO-DIMM Test:

Procedure:

(i) Install O.S.

(ii) Check Memory information & specification with CPU-Z.

**(iii) Run 3DMark 2006 Professional Edition Build Ver.1.2.0 BenchMark - 3 times or
Run 3DMark11 Professional Edition Ver.1.0.3 BenchMark - 3 times.**

(iv) Run S1/S3/S4/S5 - 3 times.

No.	Brand	Chip	Size	Type	Chip Model No.	Vendor Part No.	Result
1	Apacer	Micron	8GB	PC3-12800 (DDR3L-1600)	2ED27-D9PCP	75.C93DL.G000C 1.35V/1.5V [512Mx8b-x16/1024Mx64b,CL=11]	Pass
2	INNODISK	Micron	4GB	PC3-12800 (DDR3L-1600)	1XM77-D9PFJ	M3SP-4GMJDL0C-M 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
3	Apacer	Micron	4GB	PC3-12800 (DDR3L-1600)	2DM77-D9PFJ	75.B83DL.G000C 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=11]	Pass
4	Hynix	Hynix	2GB	PC3-12800 (DDR3-1600)	H5TQ2G83BFR PBC	HMT325S6BFR8C-PBNO 1.5V [256Mx8b-x8/256Mx64b,CL=11]	Pass
5	INNODISK	Hynix	8GB	PC3-10600 (DDR3-1333)	H5TQ4G83MFR PBC	M3SP-8GHSDCN9-M 1.5V [512Mx8b-x16/1Gx64b,CL=9]	Pass
6	Apacer	ELPIDA	4GB	PC3-10600 (DDR3L-1333)	J2108ECSE-DJ-F	78.B2GCL4210C 1.35V [256Mx8b-x16/512Mx64b,CL=9]	Pass
7	Transcend	Hynix	4GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS512MSK64W3N 1.35V/1.5V [256Mx8b-x16/512Mx64b,CL=9]	Pass
8	Transcend	Hynix	2GB	PC3-10600 (DDR3L-1333)	H5TQ2G83BFR-H9C	TS256MSK64W3N 1.35V/1.5V [256Mx8b-x8/256Mx64b,CL=9]	Pass
9	DSL	Hynix	1GB	PC3-10600 (DDR3-1333)	H5TQ1G83BFR H9C	D3SH28081XH15AA 1.5V [128Mx8b-x8/128Mx64b,CL=9]	Pass
10	Crucial	Micron	1GB	PC3-10600 (DDR3-1333)	0NDI2-D9LGQ	CT12864BC1339.4FD 1.5V [128Mx16b-x4/128Mx64b,CL=9]	Pass
11	Transcend	SEC	1GB	PC3-10600 (DDR3-1333)	K4B1G0846G	TS128MSK64V3U 1.5V [128Mx8b-x8/128Mx64b,CL=9]	Pass
12	Transcend	Hynix	4GB	PC3-8500 (DDR3-1066)	H5TQ2G83AFRH9C	TS512MSK64V1N 1.5V [256Mx8b/512Mx64b,CL=7-7-20]	Pass
13	Kingston	ELPIDA	4GB	PC3-8500 (DDR3-1066)	J2108BASE-DJ-F	KVR1066D3S7/4G 1.5V [128Mx8bits/128Mx64bits,CL=7]	Pass

14	Kingston	ELPIDA	2GB	PC3-8500 (DDR3-1066)	J1108BABG-DJ-E	KVR1066D3S7/2G 1.5V [128Mx8bits/256Mx64bits,CL=7-7-7-20]	Pass
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1.2 DDR3 SO-DIMM Test Procedures:

Procedure:

(i) Install O.S.

(ii) Check Memory information & specification with CPU-Z.

(iii) Run 3DMark11 Professional Edition Ver.1.0.3 BenchMark - 3 times.

(iv) Run S1/S3/S4/S5 - 3 times.

No.	DDR3 Module	Test Environment	3DMark Score	Result
1	Apacer (75.C93DL.G000C 1.35V/1.5V) [512Mx8b-x16/1024Mx64b,CL=11] / Micron (2ED27-D9PCP) / PC3-12800 (DDR3L-1600) / 8GB *1	M/B: HR908-B3517 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3517UE 1.7GHz DIMM Slot: DIMM-1 SATA HDD: WD / WD6400BEVT-00A0RT0 SATA2 NCQ (640GB/2.5"/5400RPM) Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1 Test Summary: Overnight Looping under 11 hours	P555	Pass
2	INNODISK (M3SP-4GMJDL0C-M 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=9] / Micron (1XM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 4GB *1	M/B: HR908-B3612 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3612QE 2.1GHz DIMM Slot: DIMM-1 SATA HDD: WD / WD1002FBYS-02A6B0 SATA2 NCQ (1TB/7200RPM) Display: On Board DVD-ROM: Lite-On / It iHDS118-07 18X SATA Power: Delta / GPS-500BBC 500W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P612	Pass

<p>3</p>	<p>Apacer (75.B83DL.G000C 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=11] / Micron (2DM77-D9PFJ) / PC3-12800 (DDR3L-1600) / 4GB *1</p>	<p>M/B: HR908-B3612 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3612QE 2.1GHz DIMM Slot: DIMM-1 SSD: Transcend / TS60GSSD25D-M SATA2 60GB/2.5" Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1</p>	<p>P615</p>	<p>Pass</p>
<p>4</p>	<p>Hynix (HMT325S6BFR8C-PBNO 1.5V) [256Mx8b-x8/256Mx64b,CL=11] / Hynix (H5TQ2G83BFR PBC) / PC3-12800 (DDR3-1600) / 2GB *1</p>	<p>M/B: HR908-B3517 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3517UE 1.7GHz DIMM Slot: DIMM-1 SATA HDD: Maxtor / STM3160813AS 160GB Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1</p>	<p>P540</p>	<p>Pass</p>
<p>5</p>	<p>INNODISK (M3SP-8GHSDCN9-M 1.5V) [512Mx8b-x16/1Gx64b,CL=9] / Hynix (H5TQ4G83MFR PBC) / PC3-10600 (DDR3-1333) / 8GB *1</p>	<p>M/B: HR908-B3612 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3612QE 2.1GHz DIMM Slot: DIMM-1 SATA HDD: WD / WD6400BEVT-00A0RT0 SATA2 NCQ (640GB/2.5"/5400RPM) Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1</p>	<p>P592</p>	<p>Pass</p>



No.	DDR3 Module	Test Environment	3DMark Score	Result
6	Apacer (78.B2GCL4210C 1.35V) [256Mx8b-x16/512Mx64b,CL=9] / ELPIDA (J2108ECSE-DJ-F) / PC3-10600 (DDR3L-1333) / 4GB *1	M/B: HR908-B3517 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3517UE 1.7GHz DIMM Slot: DIMM-1 SATA HDD: PLEXTOR / PX-64M2S-04 SATA3 64GB/2.5" Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P532	Pass
7	Transcend (TS512MSK64W3N 1.35V/1.5V) [256Mx8b-x16/512Mx64b,CL=9] / Hynix (H5TQ2G83BFR-H9C) / PC3-10600 (DDR3L-1333) / 4GB *1	M/B: HR908-B3217 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i3-3217UE 1.6GHz DIMM Slot: DIMM-1 SATA HDD: WD / WD6400BEVT-00A0RT0 SATA2 NCQ (640GB/2.5"/5400RPM) Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P483	Pass
8	Transcend (TS256MSK64W3N 1.35V/1.5V) [256Mx8b-x8/256Mx64b,CL=9] / Hynix (H5TQ2G83BFR-H9C) / PC3-10600 (DDR3L-1333) / 2GB *1	M/B: HR908-B3217 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i3-3217UE 1.6GHz DIMM Slot: DIMM-1 SSD: Kingston / SV200S37A/64G SATA3 64GB/2.5" Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows 7 Ultimate 32Bit (English) & SP1	P469	Pass

Procedure:

(i) Install O.S.

(ii) Check Memory information & specification with CPU-Z.

(iii) Run 3DMark 2006 Professional Edition Build Ver.1.2.0 BenchMark - 3 times.

(iv) Run S1/S3/S4/S5 - 3 times.

No.	DDR3 Module	Test Environment	3DMark Score	Result
1	DSL (D3SH28081XH15AA 1.5V) [128Mx8b-*8/128Mx64b,CL=9] / Hynix (H5TQ1G83BFR H9C) / PC3-10600 (DDR3-1333) / 1GB *1	M/B: HR908-B3217 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i3-3217UE 1.6GHz DIMM Slot: DIMM-1 SSD: WD / WD6400BEVT-00A0RT0 SATA2 NCQ (640GB/2.5"/5400RPM) Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows XP Professional 32Bit (English) & SP3	2957	Pass
2	Crucial (CT12864BC1339.4FD 1.5V) [128Mx16b-x4/128Mx64b,CL=9] / Micron (0NDI2-D9LGQ) / PC3-10600 (DDR3-1333) / 1GB *1	M/B: HR908-B3612 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3612QE 2.1GHz DIMM Slot: DIMM-1 SSD: Hitachi / HTS542525K9SA00 SATA1 (250GB/2.5"/5400RPM) Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows XP Professional 32Bit (English) & SP3	3671	Pass

No.	DDR3 Module	Test Environment	3DMark Score	Result
3	Transcend (TS128MSK64V3U 1.5V) [128Mx8b-x8/128Mx64b,CL=9] / SEC (K4B1G0846G) / PC3-10600 (DDR3-1333) / 1GB *1	M/B: HR908-B3517 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3517UE 1.7GHz DIMM Slot: DIMM-1 SATA HDD: Hitachi / HTS542525K9SA00 SATA1 (250GB/2.5"/5400RPM) Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows XP Professional 32Bit (English) & SP3 Test Summary: Overnight Looping under 11 hours	3510	Pass
4	Transcend (TS512MSK64V1N 1.5V) [256Mx8b/512Mx64b,CL=7-7-7-20] / Hynix (H5TQ2G83AFRH9C) / PC3-8500 (DDR3-1066) / 4GB *1	M/B: HR908-B3217 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i3-3217UE 1.6GHz DIMM Slot: DIMM-1 SATA HDD: WD / WD6400BEVT-00A0RT0 SATA2 NCQ (640GB/2.5"/5400RPM) Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows XP Professional 64Bit Edition (English) & SP2	2528	Pass



<p>5</p>	<p>Kingston (KVR1066D3S7/4G 1.5V) [128Mx8bits/128Mx64bits,CL=7] / ELPIDA (J2108BASE-DJ-F) / PC3-8500 (DDR3-1066) / 4GB *1</p>	<p>M/B: HR908-B3517 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3517UE 1.7GHz DIMM Slot: DIMM-1 SATA HDD: WD / WD800AAJS-00PSA0 80GB Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows XP Professional 64Bit Edition (English) & SP2</p>	<p>2818</p>	<p>Pass</p>
<p>6</p>	<p>Kingston (KVR1066D3S7/2G 1.5V) [128Mx8bits/256Mx64bits,CL=7-7-7-20] / ELPIDA (J1108BAG-DJ-E) / PC3-8500 (DDR3-1066) / 2GB *1</p>	<p>M/B: HR908-B3612 Rev.A (011) & COM331-B Rev.A (0A2) M/B BIOS: AMI-UEFI 10/29/2012 M/B Driver: CR908-B Ver.A0.6.0 CPU: Intel / Core i7-3612QE 2.1GHz DIMM Slot: DIMM-1 SATA HDD: Maxtor / STM3160813AS 160GB Display: On Board DVD-RW: Lite-On / It iHAS324 SATA Power: Jagier / KY-580ATX 480W O.S.: Windows XP Professional 64Bit Edition (English) & SP2</p>	<p>3220</p>	<p>Pass</p>

