

IMBM-B75A Compatibility Test Report

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Sampling quantity	12 pcs
Product	M/B mainboard Rev. 1.01 AMI EFI BIOS Ver. 0206
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Specification Information

1. Production Introduction

Specifications Summary		
The following items describe the spec, function and feature of the motherboard; include the special attributes of the motherboard and the new technology it supports.		
Function Name	Content information	Remark/Special Setting
CPU	SandyBridge, Ivy Bridge	
Chipset	Intel:Panther Point B75. Intel:PCH B75	
BCLK	100MHz.	
Memory	240-pin un-buffered x4 non-ECC DDR3-1066/1333/1600MHz (Up to 32GB)	
Intel PCH B75 Storage	SATA 3G * 4, SATA 6G * 1 AHCI support. Intel Rapid Start Technology	
Audio	Realtek ALC887 2-channel (Azalia Audio) Codec,	
LAN	Realtek RTL8111F Gigabit LAN * 1	
USB 2.0	USB 2.0 * 1 (2 ports) rear panel. USB 2.0 * 2 (4 ports) front panel.	
USB 3.0	Intel USB3.0 (4 ports) front/rear panel.	
Expansion Slots	1 * PCI-Ex16, PCI-Ex4 * 1, PCI * 2	
BIOS Features	8 Mb Flash ROM, AMI BIOS	
Power Requirement	ATX power supply(with 24-pin and 2 x 4-pin 12V plugs), ATX 12V 2.0	
Form Factor	microATX form factor: 9.6 in x 9.6 in, 4 Layers	

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PART A. SPECIFICATION TEST

1. System Specific Test

CPU & DIMM Usage List				
Try several CPU + DIMM settings and check frequency.				
Type	Test Item	O.S. Environment	Status	Features Tested
Intel CPU	BCLK100 vs DIMM 1066	Win7-64 Ultimate SP1	Pass	Check CPU and memory frequency should show correct value during POST screen and O.S.
	BCLK 100 vs DIMM 1333	Win7-64 Ultimate SP1	Pass	Check CPU and memory frequency should show correct value during POST screen and O.S.
	BCLK 100 vs DIMM 1600	Win7-64 Ultimate SP1	Pass	Check CPU and memory frequency should show correct value during POST screen and O.S.
	BCLK 100 vs DIMM 1866	Win7-64 Ultimate SP1	Pass	Check CPU and memory frequency should show correct value during POST screen and O.S.
Known Issues	1. None			
Memory Usage List				
Check memory information if using follow setting in all slots.				
Type	Test Item	O.S. Environment	Status	Features Tested
DDR3-1066 Double Side	DIMM_A1	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_A2	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_B1	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
	DIMM_B2	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_A2 and_B2 DIMM_A1 and_B1	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
	DIMM_A1 and_A2 DIMM_A2 and_B2	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
DDR3-1333 Double Side	DIMM_A1	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_A2	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_B1	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
	DIMM_B2	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_A2 and_B2 DIMM_A1 and_B1	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
	DIMM_A1 and_A2 DIMM_A2 and_B2	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
DDR3-1600 Double Side	DIMM_A1	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_A2	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_B1	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
	DIMM_B2	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_A2 and_B2 DIMM_A1 and_B1	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
	DIMM_A1 and_A2 DIMM_A2 and_B2	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
DDR3-1866 Double Side	DIMM_A1	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_A2	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_B1	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
	DIMM_B2	Win7-64 Ultimate SP1	Pass	Check memory frequency and size should show correct value during POST screen and O.S.
	DIMM_A2 and_B2 DIMM_A1 and_B1	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
	DIMM_A1 and_A2 DIMM_A2 and_B2	Win7-64 Ultimate SP1	Pass	Check memory and memory frequency should show correct value during POST screen and O.S.
Known Issues	1. None			

Memory Maximum loading						
Check memory frequency and size should show correct value during POST screen and O.S.						
Non ECC	Size	O.S. Environment	Status	Model		
DDR3-1333	8192MB	Win7-64 Ultimate SP1	Pass	A-data SU3U1333W8G9-B		
DDR3-1600	8192MB	Win7-64 Ultimate SP1	Pass	G.SKILL F3-12800CL10Q-32GBZL		
DDR3-1866	8192MB	Win7-64 Ultimate SP1	Pass	G.SKILL F3-1866C10Q-32GAB		
Known Issues	1. None					
Add-on Accessories						
Confirm all accessories should not have mechanical conflict when PCIex16 , PCIex1 , PCI , PCI-X long card is used.						
Type	Item Name	Stock Number	Status	Features Tested		
SATA Cable	SATA 6G CABLE 7P 2IN1 180;90 50CM	14G000130223/14G00012707U	Pass	All add-on accessories should be used within whole stage test.		
	SATA 3G CABLE 7P 2IN1 180/90 42CM	14G00012707N/14G00012707J	Pass			
Bracket	Printer Port bracket (1port)	14G000003902	Pass			
	COM port bracket (1port)	14G00002009G 40 CM	Pass			
	USB 3.0 2 ports cable with bracket 450mm	14G000516101	Pass			
Known Issues	1. None					
Buzzer and 4 pin Speaker test						
Test and check all the information provides on the post screen.						
Type	Test Item	O.S. Environment	Status	Features Tested		
Normal beep	VGA found beep	Win7-64 Ultimate SP1	Pass	One short beep.		
	System boot	Win7-64 Ultimate SP1	Pass	One short beep. (Quick Boot set to Disabled)		
Error beep	No memory found	Win7-64 Ultimate SP1	Pass	One long beep, two short beep, pause a period of time, and loop.		
	No keyboard error	Win7-64 Ultimate SP1	Pass	One short beep.		
	No VGA found	Win7-64 Ultimate SP1	Pass	One long with 3 short beeps if without POST reporter or POST reporter exists but disabled. Report by POST reporter if POST reporter exists.		
	Hardware monitoring error	Win7-64 Ultimate SP1	Pass	One long beep or two short beep, Four short beeps.		
Known Issues	1. None					
Back Panel Interface						
Back panel interface test is to test all the features, which can be seen in back of the case.						
Type	Test Item	BIOS	WinXP-32 SP3	WinXP-64 SP2	Win7-32 SP1	Win7-64 SP1
VGA ports	HDMI	V	V	V	V	V
	D-sub	V	V	V	V	V
Audio Port	Line Out	N/A	V	V	V	V
	Line In	N/A	V	V	V	V
	Microphone In	N/A	V	V	V	V
	Disabled	V	V	V	V	V
LAN Port	LAN1	V	V	V	V	V
	Disabled	V	V	V	V	V
	LAN2	V	V	V	V	V
	Disabled	V	V	V	V	V
PS/2 Connectors	PS/2 Keyboard	V	V	V	V	V
	PS/2 keyboard without PS/2 Mouse	V	V	V	V	V
	PS/2 Mouse	V	V	V	V	V
	PS/2 mouse without PS/2 keyboard	V	V	V	V	V
Serial Ports	COM 1	V	V	V	V	V
	Disabled	V	V	V	V	V
	COM 2	V	V	V	V	V
	Disabled	V	V	V	V	V
	COM 3	V	V	V	V	V
	Disabled	V	V	V	V	V
	COM 4	V	V	V	V	V
	Disabled	V	V	V	V	V
	COM 5	V	V	V	V	V
	Disabled	V	V	V	V	V
USB Ports	USB12	V	V	V	V	V
	USB3_12	V	V	V	V	V
	Disabled	V	V	V	V	V
Known Issues	1. bug:20,43,52,53,59					

Front Panel Interface

Front panel interface test is to test all the features which can be seen in front of the case.

Type	Test Item	BIOS	WinXP-32 SP3	WinXP-64 SP2	Win7-32 SP1	Win7-64 SP1
IDE_LED	SATA6G_1	V	V	V	V	V
	SATA3G_1	V	V	V	V	V
	SATA3G_2	V	V	V	V	V
	SATA3G_3	V	V	V	V	V
	SATA3G_4	V	V	V	V	V
	Idle	V	V	V	V	V
Power Button	One Touch	V	V	V	V	V
	> 4 Sec's	V	V	V	V	V
Power LED	Normal Mode	V	V	V	V	V
	Suspend Mode	V	V	V	V	V
Reset Button	Reset System	V	V	V	V	V
Known Issues	1. None					

On-board Buttons, Connectors and Slots

Test all the functionalities of items such as connectors, slots, jumpers and LED lights on board.

Type	Test Item	BIOS	WinXP-32 SP3	WinXP-64 SP2	Win7-32 SP1	Win7-64 SP1
CLRTC	Boot up POST after clear CMOS	V	V	V	V	V
	Clear CMOS then F1	V	N/A	N/A	N/A	N/A
	Jumper check	V	V	V	V	V
CPU Socket	Lock / Unlock	V	N/A	N/A	N/A	N/A
EATX12V Connector	ATX12V	V	V	V	V	V
Fan Connectors	CPU Fan	V	V	V	V	V
	Chassis Fan	V	V	V	V	V
System Battery	Active	V	V	V	V	V
	Add-on VGA	V	V	V	V	V
System LED	Active	V	V	V	V	V
System Slots	SATA6G_1	V	V	V	V	V
	SATA3G_1	V	V	V	V	V
	SATA3G_2	V	V	V	V	V
	SATA3G_3	V	V	V	V	V
	SATA3G_4	V	V	V	V	V
	CPU	V	V	V	V	V
	DIMM_A1	V	V	V	V	V
	DIMM_A2	V	V	V	V	V
	DIMM_B1	V	V	V	V	V
	DIMM_B2	V	V	V	V	V
	PCI1	V	V	V	V	V
	PCI2	V	V	V	V	V
	PCIEX4_1	V	V	V	V	V
	PCIEX16_1	V	V	V	V	V
	None PCI loading	V	V	V	V	V
TPM Connectors	TPM	V	V	V	V	V
USB Connectors	USB34	V	V	V	V	V
	USB56	V	V	V	V	V
Known Issues	1. bug:5,37,52					

2. System Utility Test

System Utility

Use various ways to test the BIOS ROM and run some utilities programs.

Package Name	Version	Publisher	O.S. Environment	Status	Remark/Special Setting
Afudos	V3.0	AMI	DOS	Pass	Flash new BIOS.
			DOS	Pass	Flash old BIOS.
			DOS	Pass	System should boot success since last flash BIOS failure. (Without boot block flash)
			DOS	Pass	Flashing BIOS should prevent any interrupt except reset and 4 sec's power off.
			DOS	Pass	After flash BIOS, AC power off and remove battery, then clear CMOS and pack battery. System should boot success and CPU Vcore should be correct.
Known Issues	1. None				

3. System Diagnostic Test

System Diagnostics					
Run the different types of system diagnostics tests.					
Package Name	Version	Publisher	O.S. Environment	Status	Remark/Special Setting
<i>PC Doctor Service Center</i>	V6.0	PC-Doctor	Win7-64 Ultimate SP1	Pass	<ol style="list-style-type: none"> 1. Plug audio cable, parallel and serial loopback. 2. Put floppy disk in floppy and test media CD/DVD in CD-ROM/DVD-ROM. 3. Check "System" of diagnostics work normally and does not show error message. 4. Check "Storage" of diagnostics work normally and does not show error message. 5. Check "Video" of diagnostics work normally and does not show error message. 6. Check "Communication" of diagnostics work normally and does not show error message. 7. Check "Interactive" of diagnostics work normally and does not show error message. 8. Check "Other" of diagnostics work normally and does not show error message.
<i>Sandra 2011</i>	V17.36	SiSoftware	Win7-64 Ultimate SP1	Pass	<ol style="list-style-type: none"> 1. Put floppy disk in floppy and data CD-R/DVD-R in CD-ROM/DVD-ROM. 2. Select all test items of Tools/Burn-in Computer and set run 1 of times. 3. Check the program work normally and does not show error message.
<i>Known Issues</i>	1. None				

4. Stress Test

Stress Test						
Run the aging programs over 12 hours to test system stable-ability.						
Type	Test Item	DOS	WinXP-32 SP3	WinXP-64 SP2	Win7-32 SP1	Win7-64 SP1
<i>Diagnostics</i>	<i>PassMark BurnIn Test PRO V5.3 Build1022</i>	N/A	N/A	N/A	N/A	V
	<i>Sandra 2011</i>	N/A	N/A	N/A	N/A	V
<i>RTC</i>	<i>Power On/Off test</i>	V	N/A	N/A	N/A	N/A
<i>Memory</i>	<i>Memtest86+ V4.20</i>	V	N/A	N/A	N/A	N/A
<i>Benchmark</i>	<i>OpenGL+ LAN</i>	V	V	V	V	V
	<i>3DMark11</i>	V	V	V	V	V
	<i>3DMark06 Build 120</i>	V	V	V	V	V
	<i>3DMark Vantage</i>	V	V	V	V	V
	<i>NetIQ Chariot</i>	V	V	V	V	V
<i>Reboot test</i>	<i>Reboot test</i>	N/A	V	V	V	V
<i>Suspend test</i>	<i>S3 + S4</i>	V	V	V	V	V
<i>Data access test</i>	<i>Data Copy and Compare test</i>	N/A	V	V	V	V
<i>Known Issues</i>	1. None					

PART B. Devices Functionality and Capability

1. Application Software Compatibility

Operating System Test with Service Pack Update					
Make sure all necessary drivers can be installed.					
Package Name	Test Item	WinXP-32	WinXP-64	Win7-32	Win7-64
Installation	O.S installation	SP2 SP3	SP1 SP2	None SP1	None SP1
	Service Pack Update	SP2 to SP3	SP1 to SP2	To SP1	To SP1
Known Issues	1. None				
Support CD/Software CD Multi-Language Support					
Install all drivers and utilities then check all available functions.					
Package Name	Test Item	WinXP-32 SP3	WinXP-64 SP2	Win7-32 SP1	Win7-64 SP1
Language	English	V	V	V	V
	Chinese-Traditional	V	V	V	V
Known Issues	1. bug:1,45,49,55,58				

2. Hardware Periphery Compatibility

2.1. Hard Drives

[✓]: Win7 Ready

2.1.1 Hard Disk

Type		Model	Win7 Ready
SATA300	ExcelStor	ExcelStor J880S	✓
	Hitachi	Hitachi HDS721010KLA330	✓
		Hitachi HDS721050CLA362	✓
		Hitachi HDS721010CLA332	✓
		Hitachi HDS722020ALA330	✓
		Hitachi HDP725016GLA380	✓
	Maxtor	Maxtor STM3500320AS	✓
		Maxtor STM31000340AS	✓
	Samsung	Samsung HD103SJ	✓
		Samsung HD153WI	✓
		Samsung HD203WI	✓
		Samsung HD321KJ	✓
		Samsung HD502IJ	✓
		Samsung HD753LJ	✓
	Seagate	Seagate ST3500320AS	✓
		Seagate ST3750330AS	✓
		Seagate ST31000333AS	✓
		Seagate ST31500341AS	✓
		Seagate ST3500418AS	✓
		Seagate ST3750528AS	✓
		Seagate ST31000528AS	✓
		Seagate ST3500320NS	✓
		Seagate ST32000540AS	✓
		Seagate ST31000340NS	✓
		Seagate ST95005620AS	✓
		Seagate ST3808110AS	✓
		Seagate ST3808115AS	✓
		Seagate ST3250310AS	✓
		Seagate ST3160815AS	✓
		Seagate ST3750640AS	✓
	WD	WD WD3000GLFS	✓
		WD WD5000ABYS	✓
		WD WD5000ABPS	✓
		WD WD7500AYPS	✓
		WD WD2502ABYS	✓
		WD WD5002ABYS	✓

Type		Model	Win7 Ready
SATA300	WD	WD WD7501AALS	✓
		WD WD10EACS-00ZJB0	✓
		WD WD10EACS-00D6B0	✓
		WD WD20EADS	✓
		WD WD2001FASS	✓
		WD WD10EARS	✓
		WD WD15EARS	✓
		WD WD20EARS	✓
		WD WD30EZRS	✓
		WD WD1600AAJS	✓
		WD WD1600AVJS	✓
		WD WD6400AAKS	✓
		WD WD2500AAKS	✓
		WD WD5000AAKB	✓
SATA 6G	Hitachi	Hitachi HDS723030ALA640	✓
	Seagate	Seagate ST31000529AS	✓
		Seagate ST32000641AS	✓
		Seagate ST33000651AS	✓
		Seagate ST32000544NS	✓
	WD	WD WD6402AAEX	✓
		WD WD1002FAEX	✓
WD WD6000HLHX		✓	
SATA SSD	OCZ	OCZ SSD2-1VTX30G	✓
		OCZ SSD2-1VTX60G	✓
		OCZ SSD2-1VTXLE100G	✓
		OCZ SSD2-1C128G	✓
	Intel	Intel SSD-X25-M-80GB	✓
	Kingston	KINGSTON SNV425-S2BD	✓
		KINGSTON SNV425-S2	✓
		Kingston SNVP325-S2	✓
		Kingston SNE125-S2	✓
	ADATA	ADATA S599-100G	✓
		ADATA S596-64G	✓
		ADATA N002-128G	✓
	Patriot	Patriot PI60GS25SSDR-60G	✓
		Patriot PE64GS25SSDDR	✓
	MemoRight	MemoRight MR25.2-064S	✓
	Transcend	Transcend TS32GSSD25S-M	✓
	SATA 6G SSD	Crucial	Crucial CTFDDAC256MAG-1G1
Crucial CTFDDAC128MAG-1G1			✓
Plextor		Plextor PX-256M2S	✓
Intel		Intel SSDSC2MH250A2K5	✓
Known Issues	1.None		

2.1.2 PCIE SSD

Type	Model	Win7 Ready	
PCIE	OCZ	OCZSSDPX-1RVDX0160	✓
		OCZSSDPX-ZD2P88512G	✓
Known Issues	1.None		

2.2. Video Cards

[✓]: Win7 Ready

Type	Model	Win7 Ready		
AMD Chipset	ASUS	ASUS EAH6750 FML/DI/1GD5 (BIOS:V12.20.50.AS01)	✓	
		ASUS EAH5450 SILENT/DI/1GD3(LP) (BIOS:V68F9.12.16.2.2.AS03)	✓	
		ASUS EAH5850/2DIS/1GD5/A (BIOS:V6899.12.11.0.6.AS01)	✓	
		ASUS EAH5570/DI/1GD3(LP) (BIOS:V68D9.12.17.0.4.AS01)	✓	
		ASUS HD7750 -1GD5 (BIOS: V683F.15.14.0.3.AS02)	✓	
		ASUS HD7750 -1GD5-V2	✓	
		ASUS HD7750-O-1GD5-DIS(C445PI) (BIOS: V683F.15.14.0.4.AS01)	✓	
		ASUS EAH5750 FML/DI/1GD5/A (BIOS: 68BE.12.20.0.10.AS02)	✓	
		ASUS HD7770 -DC-1GD5 (BIOS: V683D.15.14.0.1.AS05)	✓	
		ASUS HD7770 -DC-1GD5-V2	✓	
		ASUS HD7770-DCO-1GD5-2DIS(C441PI) (BIOS: V683D.15.14.0.1.AS02)	✓	
		ASUS HD7870 -DC2-2GD5 (BIOS:V6818.15.15.0.2.AS01)	✓	
		ASUS HD7970/3GD5/DI2S (BIOS: V6798.15.12.0.4.AS02)	✓	
		ASUS ARES/2DIS/4GD (BIOS:V689C.12.20.0.17.AS01)	✓	
		ASUS EAH6570/DI/1GD3(LP)C331P (BIOS:V6759.13.11.0.14.AS01)	✓	
		ASUS EAH6850 DC/2DIS/1GD5 (BIOS: V6739.13.7.0.2.AS01)	✓	
		ASUS EAH6950 DCII/2DI4S/2GD5 (BIOS:V6719.13.10.0.9.AS01)	✓	
		ASUS EAH6990/3DI4S/4GD5 (BIOS: V671D.13.11.0.14.AS01)	✓	
		MAXSUN	MAXSUN HD5670/512M/DDR5(HM1024M) (BIOS:V012.020.000.013.036884)	✓
			Maxsun HD6450/1024MB/64bit/GDDR3 (BIOS: V013.012.000.019)	✓
		MSI	MSI R6850-PM2D1GD5/0C (BIOS:V013.007.000.002)	✓
		Sapphire	SAPPHIRE HD6750/1G/DDR5 (BIOS:V012.020.000)	✓
	nVidia Chipset	ASUS	ASUS EN210/DI/512MD2/A (BIOS:70.18.2D.00.AS01)	✓
		ASUS EN8400GSSilent/HTP/512M (BIOS:V62.98.12.00.AS13)	✓	
		ASUS ENGT430/DI/1GD3 (BIOS:V70.08.29.00.AS04)	✓	
		ASUS Mars II/2DI/3GD5(D13U) (BIOS: V70.10.37.00.AS09M)	✓	
		ASUS ENGTX460 DIRECTCU TOP/2DI/1G (BIOS: 70.04.13.00.AS02)	✓	
		ASUS ENGTX470/2DI/1280MD5 (BIOS:V70.00.39.00.AS03)	✓	
		ASUS ENGT520/DI/1GD3 R1.01 (BIOS: V75.19.1B.00.AS035)	✓	
		ASUS ENGTX560 TI DCII/2DI/1GD5 (BIOS:V70.24.11.00.AS02)	✓	

Type		Model	Win7 Ready
nVidia Chipset	ASUS	ASUS ENGTX580 DCII/2DIS/1536MD5 (BIOS:V70.10.17.00.AS05)	✓
		ASUS ENGTX590/3DIS/3GD5 (BIOS: V70.10.37.00.AS02)	✓
	EVGA	EVGA GEFORCE 8600GT-256M (BIOS: V60.84.35.00.01)	✓
	Gigabyte	Gigabyte GV-N450-1GI (BIOS:V70.06.1F.00.01)	✓
	PNY	PNY Geforce9600GT512M (BIOS:V62.94.21.00.51)	✓
	XFX	XFX GeFORCE8600GTS/256M (BIOS:V60.84.18.00.83)	✓
Matrox	Matrox	G550 32M Rev. A (BIOS: V.1.5.015)	✓
		P690 Plus LP PCI (BIOS:V1.80)	✓
Known Issues	1.None		

2.3. Peripheral

2.3.1. Audio

2.3.1.1 Earphone Devices

Type		Model	Win7 Ready
Earphone	Audio-technica	ATH-AD400	✓
	Sennheiser	PC350 G4ME	✓
	Sony	MDR-XD200	✓
Ear-Mic	Creative	HS-300	✓
Wireless	ASUS	HS-1000W Wireless Headphone	✓
Known Issues	1.None		

2.3.1.3 Microphone Devices

Type		Model	Win7 Ready
Dynamic	SonudMAX	ARRYA-2S	✓
	Audio-technica	AT-VD5	✓
Known Issues	1.None		

2.3.1.4 Sound Adapters

Type		Model	Win7 Ready
PCI	ASUS	XONAR DG	✓
PCIEX1	ASUS	XONAR HDAV1.3 DELUXE	✓
	Creative	X-Fi Titanium	✓
USB 2.0	ASUS	Audio XONAR U3	✓
	Creative	X-FI GO	✓
Known Issues	1.None		

2.3.1.5 Speaker

Type		Model	Win7 Ready
Line out	Creative	M5300	✓
	JS	JY5000	✓
	Jazz	SPEAKERS-J-1118	✓
	Kuro	KUP700	✓
Known Issues	1.None		

2.3.2 Controller Cards

2.3.2.1. 1394

Type		Model	Win7 Ready
PCI	Uptech	UT1394 A+B COMBO	✓
PCIEX1	Rosewill	RC-504	✓
Known Issues	1.None		

2.3.2.2. SATA

Type		Model	Win7 Ready
PCIEX1	HighPoint	Rocket 620A (BIOS: V1.0)	✓
PCIEX4	ASUS	U3S6-1.02G (BIOS: V0.0.0.1012)	✓
Known Issues	1.None		

2.3.2.3. SATA RAID

Type		Model	Win7 Ready
PCI	Uptech	SATAII SR400 (BIOS: V6.4.0.9)	✓
PCIEX1	Adaptec	AAR-1220SA (BIOS: V6.0-0 Build 2330)	✓
	HighPoint	RocketRAID620 (BIOS: V1.0)	✓
PCIEX4	3Ware	3W-9650SE-8LPML (BIOS:4.10.00.007)	✓
	HighPoint	RocketRAID640 (BIOS: V1.0)	✓
PCIEX8	Areca	ARC-1210 (BIOS: V1.48)	✓
	HighPoint	RocketRAID2340 (BIOS: V1.4)	✓
Known Issues	1.None		

2.3.2.4. SAS RAID

Type		Model	Win7 Ready
PCIEX4	HighPoint	RocketRAID 2720	✓
	Adaptec	ASR-3805	✓
PCIEX8	Adaptec	ASR-5805	✓
		ASR-2405	✓
	HighPoint	Rocket RAID4320	✓
	HP	Smart Array P400/256	✓
Known Issues	1.None		

2.3.3. Ethernet

2.3.3.1. 100 BaseTx Networking Cards

Type		Model	Win7 Ready
PCI	Trendnet	TE100-PCIWN	✓
USB 2.0	Buffalo	LUA3-U2-ATX	✓
Known Issues	1.None		

2.3.3.2. 1000 BaseTx Networking Cards

Type		Model	Win7 Ready
PCI	Buffalo	10/100/1000BASE-T	✓
	Trendnet	TEG-PCIXR	✓
PCIEX1	Intel	9300PT	✓
		9301CT	✓
	EVGA	Killer XENO Pro	✓
	Rosewill	RC-401-EX	✓
PCIEX4	PulseJack	JG0-0027NL	✓
Known Issues	1.None		

2.3.3.3. Networking Hubs/Switches/Routers

Type		Model	Win7 Ready
Switch	ASUS	FX-D1161	✓
		GIGAX1108N	✓
	Buffalo	LSW3-GT-5EP/WH	✓
	D-Link	DES-1008D	✓
		DGS1024D	✓
	TP-Link	TL-SG1008D	✓
Router	Corega	CG-BARPS	✓
Known Issues	1.None		

2.3.3.4. Wireless Networking

Type		Model	Win7 Ready
PCI	D-Link	DWA-525	✓
PCIE	ASUS	ASUS-PCE-N13	✓
		ASUS-PCE-N15	X
USB2.0	ASUS	USB-N13	✓
	Belkin	N WIRELESS USB ADAPTER	✓
	D-Link	DWA-160	✓
	TP-Link	TL-WN722N	✓
Known Issues	1. Lim:51		

2.3.5. Keyboards/Mice

2.3.5.1. Keyboards

Type		Model	Win7 Ready
PS/2	TACTICAL	KEYBOARD	✓
USB 1.1 / USB 2.0	Apple	A1243	✓
	BasicKeyboards	3R-FKB3010UBK	✓
	Dell	RT7D60	✓
	Enermax	KB007U-B	✓
	GIGABYTE	K8100	✓
	Logitech	G19	✓
		K750	✓
	Microsoft	Natural Ergonomic 4000	✓
Reclusa Wired Gaming		✓	
Known Issues	1.None		

2.3.5.2. Keyboard + Mice Combos

Type		Model	Win7 Ready
USB 1.1 / USB 2.0	Logitech	MX3200 Laser	✓
	Microsoft	Microsoft WIRELESS DESKTOP 3000	✓
	MSI	Wireless Combo 630	✓
	T.C.STAR	KIT9901	✓
	雙飛燕	G3100	✓
Known Issues	1.None		

2.3.5.3. Mice

Type		Model	Win7 Ready
PS/2	FUJIEI	SM0135	✓
	WINTEK	WSS66	✓
USB 1.1/ USB 2.0	ELECOM	SCOP NODE400	✓
	Logitech	G5	✓
		M515	✓
	Microsoft	ARC TOUCH	✓
		Sidewinder X3	✓
	RAZER	RZ01-0015	✓
		RZ01-0028	✓
	SILVERSTONE	SST RVM01B	✓
Known Issues	1.None		

2.3.6. Monitor

Type		Model	Win7 Ready
D-Sub	Acer	T230H	✓
		V223HQV	✓
	AOC	511VWB	✓
		e2795Vh	✓
	ASUS	TLW42001D	✓
		PA246Q	✓
		VE276Q	✓
		VS228H	✓
	BenQ	BL2400	✓
		E2200HD	✓
	Chimei	24EH	✓
	Dell	3008FP	✓
		U2711	✓
	EIZO	HD2441W	X
		SX3031W	✓
	Hanns.G	HZ281	✓
	HP	W2408H	✓
	JVC	26DS6BJ	✓

Type		Model	Win7 Ready
D-Sub	LG	32Lb9D	✓
		47LX9500	✓
	Philips	220EW8	✓
	NEC	EA273WM	✓
	Samsung	740NW	✓
		S24A350H	✓
	Sanyo	SMP-42HD3	✓
	Sony	KDL-40EX720	✓
	Toshiba	42RV500G	✓
	ViewSonic	P227F	✓
		VX2435WM	✓
		VG2732M	✓
HDMI	Acer	T230H	✓
	ASUS	TLW42001D	X
		PA246Q	✓
		VE276Q	✓
		VG236H	✓
		VS228H	✓
	AOC	e2795Vh	✓
	BenQ	E2200HD	✓
	Chimei	24EH	✓
	Dell	3008FP	✓
		U2711	✓
	EIZO	HD2441W	X
	Hanns.G	HZ281	✓
	HP	LP2480ZX	✓
		W2408H	✓
	JVC	26DS6BJ	✓
	LG	32Lb9D	✓
		47LX9500	✓
	NEC	EA273WM	X
	Samsung	S23A950	✓
		S24A350H	✓
	Sony	KDL-40EX720	✓
	Toshiba	42RV500G	✓
ViewSonic	VX2435WM	✓	
Known Issues	1. bug:41,60,61 Lim:38		

2.3.7. Optical Drives

Type		Model	Win7 Ready
USB 2.0	ASUS	SDRW-08D2S-U	✓
	Buffalo	BR-X816U2	✓
	LG	GP10NB20	✓
	Lite-On	eNAU508	✓
	MSI	UO800	✓
USB 3.0	ASUS	BW-12D1S-U	✓
	Buffalo	BR-X1216U3	✓
SATA	ASUS	BW-12B1LT	✓
		DVD-E818A6T	✓
	LG	CH10LS20	✓
	Lite-On	IHAS424	✓
	Pioneer	BDR-206MBK	✓
		BDR-S05XLB	✓
		DVR-216BK	✓
	Samsung	SH-S223C	✓
	Sony	AD-7260S	✓
		BWU-500S	✓
Known Issues	1. None		

2.3.8. Power Supplies

	Model	Win7 Ready
ASUS	P-50GA	✓
	U-75HA	✓
AcBel	PC7030	✓
	API5PC36	✓
	PC6018	✓
Antec	EA-380	✓
	EA-430D	✓
	EA-750	✓
AMA	AA1200U-C	✓
Be quiet	BN077	✓
	BQT L6-UA	✓
Bubalus	PE600WJD	✓
CoolerMaster	RS-650	✓
	RS-750	✓
	RS-850EMBA	✓
	RS-A00-ESBA	✓
	RS-C00-80GA-D3	✓
	RS-C50-EMBA-D2	✓
	RS-D00-SPHA-D3	✓
Comstars	KT-450VE	✓
Coolive	AP-350F	✓

Model		Win7 Ready
Corsair	CMPSU-450VX	✓
	CMPSU-550VX	✓
	CMPSU-850AX	✓
	CMPSU-620HX	✓
CWT	PSH650V-D	✓
Delux	DLP-650PG	✓
EnerMAX	EGX1000EWL	✓
	EPM850EWT	✓
	EPG600AWT	✓
	ERV1050EWT	✓
	MAXREVO	✓
FSP	ATX-300PNR	✓
	AX-310HHN	✓
Geil	TTB800G	✓
GoldenField	JHTS-S398	✓
	ATX-S395	✓
	ATX-S550	✓
GreatWall	ATX-350P4	✓
	BTX-400SD	✓
	BTX-600SE	✓
HAMER	MIT750	✓
HECHUAN	ST-ATX330	✓
Huntkey	HK400-55AP	✓
	R85	✓
	磐石500	✓
In Win	COMMANDER IRP-COM1500	✓
OCZ	OCZ1000PXS	✓
	Silencer S75QB	✓
	OCZ550FTY	✓
SAMA	YUHUI-350P	✓
Seasonic	SS-760KM	✓
	SS-850EM	✓
	SS-1000XP	✓
	SS-1250XM	✓
Seventeam	ST-420BKP	✓
	ST-522HLP	✓
	ST550EAJ-05F	✓
	ST-750P-AF	✓
Sharkoon	SHA-R600M	✓
Silverstone	SST-ST40F-ES	✓
	SST-ST50EF	✓
	SST-ST85F	✓

	Model	Win7 Ready
Silverstone	SST-ST1500	✓
	ZM-1200M	✓
Tagan	TG1100-U33	✓
Super Flower	SF-550P14PE	✓
Thermaltake	TR2 RX-650AL3CH	✓
	TR2 RX-750AH3CH	✓
	TR2 RX-850AH3CH	✓
	TP-1200AH3CSG	✓
	TP-1050AH3CSG	✓
	TOUGHPower1500A	✓
	W0132RE	✓
	W0133RU	✓
ZEST	ZE-850EZ	✓
Known Issues	1. None	

2.3.9. Printers/Scanners

2.3.9.1. Printer

Type	Model	Win7 Ready
1394	Epson Stylus Photo R2400	✓
Bluetooth	HP Photosmart Premium multifuncional C309a	✓
USB 2.0	Canon PIXMA MX308	✓
	Fuji Xerox DocuPrint 203A	✓
	HP Photosmart Premium multifuncional C309a	✓
Known Issues	1. None	

2.3.9.2. Scanner

Type	Model	Win7 Ready
USB 2.0	Canon PIXMA MX308	✓
	Microtek Scanmarker S460	✓
	WorldCard WorldCard duet2	✓
Known Issues	1. None	

2.3.10. TV Cards

Type	Model	Win7 Ready
PCI	Compro Vista H900F	✓
	Upmost UTV	X
	AverMedia APower	✓
PCIEX1	AverMedia H727	✓
	Compro Vista E900F	✓
Known Issues	1. bug:57	

2.3.11 USB Storage

2.3.11.1 Card Readers

Type	Model	Win7 Ready
USB 2.0	EasyATM K100	✓

Type		Model	Win7 Ready
USB 3.0	Transcend	Multi Card Reader TS-RDF8K	✓
	Kingston	Kingston FCR-HS3 USB 3.0 Media Reader	✓
Known Issues	1. None		

2.3.11.2 External Enclosures

Type		Model	Win7 Ready
USB 2.0	ASUS	BS-F112	✓
	Buffalo	HD-PE500U2 500GB	✓
	DigiFusion	HD-343SSC	✓
	FUJITSU	Wyvo E 500GB	✓
	ICY Dock	MB559US-1S	✓
	Imation	SOHOT PRO 320GB	✓
	iomega eGo 500GB	iomega eGo 500GB	✓
	Seagate	Free Agent XTreme 1.5TB	✓
	Vantec	NST-D100	✓
	WD	My Passport Essential 500GB	✓
USB 3.0	Agestar	3UB3A8 USB 3.0	✓
	Buffalo	HD-HX1.0TU3-AP	✓
		SHD-PEHU3-BK SSD 64GB	✓
	CYBER SLIM	S1-U3H 外接盒	✓
		S2-U3 USB3.0 外接盒	✓
	Data-Tec	U350SR-U3外接盒	✓
	DOTOP	DEM-0312	✓
	Eaget	E609 320GB	✓
	FReeCOM	HARD DRIVE XS3.0	✓
	Ineo	I-NA317+ 外接盒	✓
	I-O DATA	HDJ-UT1.5	✓
	iomega	eGo 500GB	✓
		eGo 2TB	✓
	LACIE	Rugged 500GB	✓
	MUKII	TIP-230U3-BK	✓
	OCZ	OCZSSDU3-1ENY128G	✓
	PATRIOT	Auntlet Enclosure SSD	✓
	pqi	H566 320GB	✓
		S533-E 160GB	✓
	Rosrwill	RX-DU300	✓
	Seagate	STAA500301-500GB	✓
		STAC3000301-3TB	✓
	Thermaltake	BlackX 5G	✓
		BlackX Duet	✓
	Unitek	Y-1034	✓
		Y-1072	✓

Type		Model	Win7 Ready
USB 3.0	VANTEC	NST-D400S3	✓
<i>Known Issues</i>	1. None		

2.3.11.3 Floppy Drives

Type		Model	Win7 Ready
Normal	Mitsumi	D353M3D	✓
USB 1.1	Mitsumi	D353FUE	✓
	Sony	MPF82E	✓
USB 2.0	Mitsumi	FP-05PUB	✓
<i>Known Issues</i>	1. None		

2.3.11.4 USB Flash Drives

Type		Model	Win7 Ready
USB 2.0	ADATA	C803	✓
		C903	✓
		SUPERIOR S101	✓
	Aigo	L8202	✓
	CORSAIR	CMFUSBSRVR	✓
	KINGMAX	Super Stick mini	✓
	Kingston	DT200	✓
	PATRIOT	PEF32GUSB	✓
		XPORTER MAGNUM 210X	✓
	pqi	Intelligent Drive I828	✓
		U262	✓
		U273	✓
	Sandisk	CZ8	✓
	SILICON POWER	eSATA / USB SSD	✓
	Team	Fusion F105	✓
		Fusion PlusII F105+	✓
TOSHIBA	U2P-008GT	✓	
USB 3.0	ADATA	NOBILITY N005	✓
	Kingston	DTU30/32GB	✓
	MACH XTREME	MX-FX	✓
		MX-GX	✓
	SHARKOON	EZLINK-BLACK HAWK3	✓
		FLEXI-DRIVE EXTREME DUO	✓
	CORSAIR	CMFVYGT3	X
	pqi	Cool Drive U368	✓
	SUPER TALENT	ST3U32EDK	✓
		ST3U64SRK	✓
	Transcend	JF700	✓
	PNY	PFAT3032	✓

Type	Model		Win7 Ready
USB 3.0	Apacer	AH552	✓
	PATRIOT	SUPERSONIC MAGNUM	✓
	MUSHKIN	Ventura Pro	✓
	Pretec	I-DISK REX101	✓
Known Issues	1. bug:50		

2.3.11.5 USB Hubs

Type	Model		Win7 Ready
USB 2.0	SANWA	236SV	✓
	ELECOM	U2H -TM400BBK	✓
USB 3.0	BUFFALO	BSH4A03U3WH	✓
Known Issues	1. None		

2.3.12. Others Input Device:

2.3.12.1 Apple Devices

Type	Model		Win7 Ready
USB 2.0	Apple	iPhone 4	✓
		iPad 2	✓
Known Issues	1. None		

2.3.12.2 Bluetooth Adapter

Type	Model		Win7 Ready
USB 2.0	BILLIONTON	GUBTCR41A-BI-GL2	✓
		GUBTCR41J-BI-GL	✓
	DCAD02	Bluetooth v2.0	✓
	OSTRAN	OST-108	✓
Known Issues	1. None		

2.3.12.3 Tablets

Type	Model		Win7 Ready
USB 2.0	Wacom	Bamboo-CTH-460/K0-C	✓
	Genius	G-Pen F610	✓
Known Issues	1. None		

2.3.12.4 PC Game Controller

Type	Model		Win7 Ready
USB 1.1	Saitek	Avuator AV8R-01	✓
	CH	Flightstick Pro/USB	✓
USB 2.0	Logitech	G21	✓
	Microsoft	XBOX 360 CONTROLLER	✓
	BETOP	BTP 2276	X
Known Issues	1. bug:64		

2.3.12.5 Web Cams

Type		Model	Win7 Ready
USB 2.0	Microsoft	LifeCam Cinema	✓
	不見不散	穿云梭Z50	✓
	Microsoft	LifeCam VX-3000	✓
Known Issues	1. None		

2.3.13 Recovery Cards

Type		Model	Win7 Ready
PCI	小嘜兵	V9R	✓
Known Issues	1. None		