

QE 【Mainboard】

P5 Verification Test Plan

Release No : 08I010008

Product Model	HSB-800I
Description	AMD LX-800/CS5536 ISA Half-Size SBC
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : HSB-800I A1.0 <input checked="" type="checkbox"/> BIOS : HSB-800I BIOS Rev 1.1 (03/25/2008) <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : AMD LX-800 <input checked="" type="checkbox"/> South Bridge : AMD CS5536 <input checked="" type="checkbox"/> VGA Chipset : AMD LX-800 <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC-203 <input checked="" type="checkbox"/> Ethernet Chipset : RTL8100C <input checked="" type="checkbox"/> I/O Chipset : IT-8712 <input checked="" type="checkbox"/> TV Chipset : N/A <input checked="" type="checkbox"/> Remark : QE P5 Report for HSB-800I A1.0
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2008/03/28

Issue date

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Manager

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Test Engineer

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There are 3 test results in this document; they are described as follows:

Pass: Function worked perfectly

Fail: Function failed and must be modified in the next version

N/A: Outside of specification or no test equipment

Platform Information:

Item	Device Information	Test Item
PCB Model / Version	HSB-800I A1.0	1,2,3,4,5,6,7,8,9
BIOS / Version	HSB-800I BIOS Rev 1.1 (03/25/2008)	1,2,3,4,5,6,7,8,9
CPU Type	AMD LX-800 500 MHz	1,2,3,4,5,6,7,8,9
Memory Type	On Board 128MB DDR400(ESMT M13S2561616A-5T)	1,2,3,4,5,6,7,8,9
SATA HDD	N/A	N/A
Primary IDE Master	Seagate ST3160815A 160G 3.5" HDD	1,2,3,4,5,6,7,8,9
Primary IDE Slave	Pioneer DVD-ROM DVD-127A	1,2,3,4,5,6,7,8,9
CRT	ViewSonic E70 17" CRT	1,2,3,4,5,6,7,8,9
LCD	N/A	N/A
Compact Flash	N/A	N/A
Riser Card	BP-204SI-A13 BP-206SI-A1.1	1,2,3,4,5,6,7,8,9
Backplane	N/A	N/A
Operating System	[<input checked="" type="checkbox"/>] Linux-RedHat 9.0 or [<input type="checkbox"/>] Fedora Core 4.0 [<input type="checkbox"/>] Fedora Core 6.0	7
	Windows Server 2003 English Version / Standard Edition 5.2.3790	N/A
	Windows Server 2003 English Version /Standard x64 Edition	N/A
	Windows XP Professional English Version V2002 Service Pack 2	1,2,3,4,5,6,7,8,9
	Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	7
	Windows XP Professional Japanese Version V2002 Service Pack 2	7
	Windows XP Professional English Version /Standard x64 Edition	N/A
	Windows 2000 Professional English Version V5.00.2195 Service Pack4	N/A
	Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4	N/A
	Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4	N/A
	Windows Server 2000 English Version	N/A
	Windows 98SE English Version V4.10.2222A	N/A
	MS-DOS 6.22 English Version	N/A
Power Supply	ATX Power: AOpen FSP300-60ATV	1,2,6,7,8,
	AT Power :ZECK ZKS-300W	1,2,3,4,5,6,7,8,9

Test Result for Certification

1. I/O Peripheral Function Test

I/O Peripheral Function Test –I/O Function	Result		
	Pass	Fail	N/A
Floppy Connector / Driver A:	X		
Primary IDE Master	X		
Primary IDE Slave	X		
Secondary IDE Master			X
Secondary IDE Slave			X
Third IDE Master			X
Third IDE Slave			X
RAID 0 Function Test			X
RAID 1 Function Test			X
SATA1 / Serial ATA Connector 1			X
SATA2 / Serial ATA Connector 2			X
SATA3 / Serial ATA Connector 3			X
SATA4 / Serial ATA Connector 4			X
Compact Flash – Type I	X		
Compact Flash – Type II			X
DOC (Disk On Chip)			X
DOM (Disk On Module) – 40 Pin	X		
DOM (Disk On Module) – 44 Pin			X
COM 1-232	X		
COM 2-232	X		
COM 2-422	X		
COM 2-485	X		
COM 2-Ring /+5V /+12V			X
COM 3-232	X		
COM 4-232	X		
COM 5-232			X
COM 6-232			X
PS/2 Mouse & Keyboard (Internal)	X		
PS/2 Mouse & Keyboard (External)	X		
Audio Connector	X		
Audio 5.1 Channel / S/P DIF			X
LPT 1	X		
LPT 2			X
IrDA / 115.2 Kbps	X		
FIR / 4M bps			X
USB 1/2 Ports	X		
USB 3/4 Ports	X		
USB 5/6 Ports			X
USB 7/8 Ports			X
USB 2.0 1/2 Ports	X		
USB 2.0 3/4 Ports	X		

USB 2.0 5/6 Ports			X
USB 2.0 7/8 Ports			X
DVI Function			X
DIO Connector	X		
Card Bus			X
PC/104	X		
PC/104-Plus			X
PCI-104			X
CD-In Connector			X
TFT TTL LCD	X		
TFT LVDS LCD	X		
TV-out / S Terminal			X
TV-out / AV Terminal			X
Touch Screen – 8 Wire			X
Touch Screen – 5 Wire			X
DIMM Slots			X
Watchdog IRQ n			X
Watchdog Software Control	X		
CPU FAN Connector	X		
System FAN Connector			X
Front Panel	Result		
	Pass	Fail	N/A
Power On Button	X		
IDE LED	X		
External Buzzer	X		
On Board Buzzer	X		
Power LED	X		
Reset Switch	X		
Keyboard Lock	X		
Jumpers Function	Result		
	Pass	Fail	N/A
ATX simulates AT			X
Audio Out Selection (W/O & W/ Amplifier)			X
LCD Power Select	X		
COM1-Ring/5V/12V Selection			X
COM2-Ring/5V/12V Selection			X
COM2 RS-232/422/485 Selection (Depends on BIOS)			X
COM3-Ring/5V/12V Selection			X
COM4-Ring/5V/12V Selection			X
Clear CMOS	X		
Touch Screen Operating Mode Selection			X
Clock Shift of TFT LCD			X
Power Connector & Function	Result		
	Pass	Fail	N/A
5V only Power for Big 4P			X
ATX Power Connector			X

ATX Power_12V Connector			X
AT Power Connector			X
Big 4P Power Connector	X		
Mini 4P Power Connector			X
External Power Connector(-12/-5V)			X
Option ATX Power Connector (PS-ON / +5VSB)	X		
LAN Connector & Function	Result		
	Pass	Fail	N/A
LAN Speed LED	LAN1		X
	LAN2		X
LAN Active LED	LAN1	X	
	LAN2		X
LAN Link LED	LAN1	X	
	LAN2		X
LAN 10/100 Ethernet	X		
LAN 1G Ethernet			X
PCI Connector & Function	Result		
	Pass	Fail	N/A
Mini PCI Slots			X
PCI Slots			X
PCI Express			X

2. Power Consumption Test (Run Prime95 Program)

Platform Information

PCB Model / Version	HSB-800I A1.0
BIOS	HSB-800I BIOS Rev 1.0 (12/18/2007)
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CPU	AMD LX-800 500 MHz
Memory	On Board 128MB DDR400(ESMT M13S2561616A-5T)
SATA HDD	N/A
Primary IDE Master	Seagate ST3160815A 160G 3.5" HDD (APM Mode)
	Seagate ST3160815A 160G 3.5" HDD (ACPI Mode)
Primary IDE Slave	GENUINE / GC-952B / 52X / CD-ROM (APM Mode)
	Pioneer DVD-ROM DVD-127A(ACPI Mode)
CRT	ViewSonic E70 17" CRT
LCD	N/A
Compact Flash	N/A
Backplane	BP-204SI-A13 (APM Mode)
	BP-206SI_A1.1 (ACPI Mode)

Riser Card	N/A
Chipset Software	Geode LX AES Crypto Driver Ver:2.1.1.0(12/08/2006)
Graphics Media	Advanced Micro Devices Win 2K/XP Graphic Driver Ver:3.3.6.0(01/02/2007)
LAN Driver	Realtek RTL 8169/8110 Family Gigabit Ethernet NIC Ver:5.663.1212.2006(03/16/2007)
Audio Driver	Geode WDM Audio Driver for Samba Ver:3.0.0.0(06/29/2006)
Touchscreen Driver	N/A
Power Supply	AT Power: ZECK ZKS-300W ATX Power: AOpen FSP300-60ATV

Test Environment Model	ACPI Mode		APM Mode		Note
	CPU:AMD LX-800 500MHz		CPU: AMD LX-800 500MHz		
OS Environment	Windows XP Professional English Version V2002 Service Pack 2				
Normal Mode (+5V)	1.49	A	1.51	A	
Suspend Mode (+5V)	0.92	A	N/A	A	
5VSB in Power Off Mode (just for ATX)	N/A	A	N/A	A	
5VSB in Power On Mode (just for ATX)	N/A	A	N/A	A	
Normal Mode (+12V)	0.2	A	0.19	A	
Suspend Mode (+12V)	0.05	A	N/A	A	
Normal Mode (+3.3V) (just for ATX)	N/A	A	N/A	A	
Suspend Mode (+3.3V) (just for ATX)	N/A	A	N/A	A	
Normal Mode (-12V)	N/A	A	N/A	A	
Suspend Mode (-12V)	N/A	A	N/A	A	
Normal Mode (-5V)	N/A	A	N/A	A	
Suspend Mode (-5V)	N/A	A	N/A	A	

3. Power Connector Test

Test Method	Result		
	Pass	Fail	N/A
ATX Connector - Power On/Off for 10 times in DOS			X
AT Connector - Power On/Off for 10 times in DOS			X
Big 4P Power Connector - Power On/Off for 10 times in DOS	X		

4. Timer Accuracy Test

System Clock & RTC Clock Test				
Test Method	Margin for error	Result		
		Pass	Fail	N/A
System Clock in Power On Mode	±3 second during 24 hours	X		
RTC Clock in Power On Mode	±3 second during 24 hours	X		
RTC Clock in Power Off Mode	±3 second during 24 hours	X		
Watchdog Timer Test		Result		
		Pass	Fail	N/A
Time-out Interval	10 sec	X		
	60 sec	X		
	255 sec	X		

5. Network HUB / LAN Connection Test

Location		LED Type				Result		
						Pass	Fail	N/A
LAN1 LED		Active LED				X		
		Link LED				X		
		Speed LED						X
LAN2 LED		Active LED						X
		Link LED						X
		Speed LED						X
Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN1	10/100/1000 Mbps	HP J4095A 24 Ports	100M	100 MBps	100	X		
		D-Link DGS-1008T	100M	1GBps	100	X		
		D-Link DES-1316 PoE Switch	100M	100 MBps	100	X		
		Intel InBusiness 8 Port	100M	100 MBps	100	X		
		Accton DeskTop-3005	100M	100 MBps	100	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10	X		

6. Hardware Compatibility

CPU Compatible Test							
CPU Type		FSB	Prime95 Version		Result		
					Pass	Fail	N/A
AMD LX-800 500MHz			V2414		X		
			V2414				
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
On Board 128MB	ESMT M13S2561616A-5T	400	128	V1.65	X		
				V1.65			
				V1.65			
Audio Basic Function Test (CN3)					Result		
					Pass	Fail	N/A
System Sound					X		
CD_In					X		
CD_In Sound Recorder					X		
Play Sound Recorder					X		
Line Out					X		
Line In					X		
Line In Sound Record					X		
MIC Speaker			Dynamic		X		
			Condenser		X		
MIC Sound Recorder			Dynamic		X		
			Condenser		X		
Audio 5.1 Channel with S/P DIF Function Test					Result		
					Pass	Fail	N/A
2-channel mode for stereo speaker output							X
4-channel mode for 4 speaker output							X
6-channel mode for 5.1 speaker output							X
S/P DIF function Test		Input					X
		Output					X
On Board TV Function Test					Result		
					Pass	Fail	N/A
NTSC		AV Terminal					X
PAL							X
NTSC		S Terminal					X
PAL							X
On Board LCD Function Test							

TFT LCD	Type	Voltage	Result		
			Pass	Fail	N/A
LVDS	AUO G065VN01 V.0 / 6.5" / 640x480 / 18bit (4:3)	3.3V			X
	AUO G065VN01 V.0 / 6.5" / 640x480 / 24bit (4:3)	3.3V	X		
	AU B104SN02 / 10.4" / 800*600 / 18bit (4:3)	3.3V			X
	AU G150XG01 V.0 / 15" / 1024*768 / 18bit (4:3)	3.3V			X
	AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3)	3.3V	X		
	AU M170EG01 / 17" / 1280*1024 / 48bit (4:3)	5V			X
	AU M170XW01 V.1 / 17" / 1280x768 / 24bit (16:9)	5V			X
	AUO T260XW02 / 26" / 1366x768 / 24bit				X
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V			X
	AUO T370HW01 / 37" / 1920x1080 / 48bit				X
TTL	Toshiba LTM10C209A / 10.4" / 640*480 / 18bit (4:3)	5V	X		
	NEC NL8060AC31-12 / 12.1" / 800*600 / 18bit (4:3)	3.3/5V			X
	Sharp LQ121S1DG11 / 12.1" / 800*600 / 18bit (4:3)	3.3V			X
	LG LM151X2-C2TH / 15.1" / 1024x768 / 18bit (4:3)	3.3V	X		
	Fujitsu FLC38XGC6V-06 / 15" / 1024*768 / 36bit (4:3)	5V			X

PCI Slot Function (PCI Adapter Card) Test

Model	Type	Result		
		Pass	Fail	N/A
CHAINTECH NVIDIA GeForce4 MX440-8X	VGA Card			X
SC3000 CMI8738/C3DX	Sound Card			X
Takram DC-395U V1.02	SCSI Card			X
ADAPTEC Ultra160 SCSI ASC-29160	SCSI Card			X
I-VIEW CP-1400AS (with Age STD-477FAI CCD)	Capture Card			X
Intel GD82559 10/100 Mbps Fast Ethernet Adapter	LAN Card			X
3Com 3C905C-TXM ETHERLINK 10/100 PCI	LAN Card			X
D-Link DWL-520+ Wireless LAN	LAN Card			X
ADAPTEC 1420SA RoHS 4-Port SATA II RAID	RAID Card			X
LEMEL MD V1456VQH-P2 PCI MODEM Card	Modem Card			X
D-Link DU-520 USB 2.0	USB Hub Card			X
Tekram TR-822 Serial ATA 150 [SA-001] + SATA HDD Seagate ST3120026AS 120GB	SATA Card			X

ISA Slot Function Test

Model	Result		
	Pass	Fail	N/A
Creative CT4170 Sound Blaster Sound Card			X
Adaptec AHA-1510/20/22B SCSI Card			X

PCI-Express Function Test

Model	Result		
	Pass	Fail	N/A
SUNIX SATA1414 VER 1.1 PCI-Express x1 SATA Card			X
SksKonnnect SK-9E21D 10/100/1000 Base-T Adapter PCI-Express x1 LAN Card			X
Adaptec AAR-1430SA SATAII HostRAID Controllers PCI-Express x4 RAID Card			X
ASUS EAX1600PRO/TD/256M/A (ATI Chipset) PCI-Express x16 VGA Card			X

WinFast PX6200 TC TDH PCI-Express x16 VGA Card			X
HDD Compatibility Test			
Model	Result		
	Pass	Fail	N/A
Seagate ST380215A 80GB 3.5" HDD	X		
Seagate ST3160815A 160G 3.5"HDD	X		
Western WD800JB-00JJC0 80GB ATA100 3.5" IDE HDD	X		
CD/DVD-ROM Compatibility Test			
Model	Result		
	Pass	Fail	N/A
Pioneer DVD-ROM DVD-127A	X		
GENUINE / GC-952B / 52X / CD-ROM	X		
IDE Cable Function test			
IDE Model	Result		
	Pass	Fail	N/A
40 Pin Cable ATA100	X		
44 Pin Cable ATA33			X
80 Pin Cable ATA100	X		
USB Function Test			
USB Basic Function Test	Result		
	Pass	Fail	N/A
USB Controller	X		
USB 2.0 Controller	X		
USB Keyboard Support			X
USB Mouse Support			X
USB 1.1 Compatible Test	Result		
	Pass	Fail	N/A
USB 1.1 Compatible Test	X		
USB 2.0 Compatible Test	Result		
	Pass	Fail	N/A
USB 2.0 Compatible Test	X		
USB 2.0 Function Test	Result		
	Pass	Fail	N/A
Install Windows XP Professional from HighSpeed Device: USB2.0 DRW-1604P-D/WHT/G/ASUS	X		
USB Device Full Loading Test			
Model	Result		
	Pass	Fail	N/A
Transcend USB Flash Disk 256MB	X		
SONY USB2.0 DVD-R/W DRX-830UL	X		
Transcend USB Flash Disk 2.0GB	X		

SONY USB Flash Disk 256MB		X						
Floppy Disk Controller Function Test		Result						
		Pass	Fail	N/A				
Copy and compare file between C: and A / B:		X						
Change Floppy to None value		X						
Swap FDD				X				
Peripheral Compatibility-Storage Device								
Model		Interface		Result				
				Pass	Fail	N/A		
FUJITSU MCB3064SS		SCSI				X		
IOMega ZIP 100 parallel port		Parallel		X				
IOMega ZIP100MB Internal ATAPI Drive		IDE				X		
DOC						X		
Type-I CF		Fix / PIO Mode		X				
Type-I CF		Fix / UDMA Mode		X				
Digital I/O Connector Test (CN1)				Result				
				Pass	Fail	N/A		
Input Address: 801h				X				
Output Address: 801h				X				
VCC: (5V)				X				
DIO-1 Function Test				X				
DIO-2 Function Test				X				
Adapter Compatibility- Industry Control Card PC/104, PC/104+, PCI-104 Modules								
Interface		Model		Type		Result		
						Pass	Fail	N/A
PC/104		AAEON PCM-5600		Modem Module		X		
		AAEON PCM-3115B		PCMCIA Module		X		
PC/104+		AAEON PCM-3430		SCSI Module				X
PCI-104		AAEON PCM-FA00		Mini-PCI Converter				X
		AAEON PCM-3794		SCSI Module				X
		AAEON PCM-3730		Intel 82559 LAN Module				X
On-Board SCSI Function Test								
Model		Interface		Result				
				Pass	Fail	N/A		
RICOH MP7060S		SCSI-CDROM 24X				X		
Fujitsu MCB3064SS		SCSI-MO Device				X		
Seagate 32155W		SCSI-HDD 2.15GB				X		
IBM DNES-309170		SCSI-HDD 9GB				X		
Seagate ST39205LW/P		9GB / Ultra160 / LVD				X		
On-Board RAID Function Test								
Model		Interface		Result				
				Pass	Fail	N/A		

Set SATA HDDs as RAID 0	SATA			X
Set SATA HDDs as RAID 1	SATA			X
Set SATA HDDs as RAID 10	SATA			X
Set SATA HDDs as RAID 5	SATA			X
COM Function Test	Result			
	Pass	Fail	N/A	
COM Port Burn In Test 10 Minutes	X			
Disk On Module [DOM] Compatibility Test				
Model	Interface	Result		
		Pass	Fail	N/A
Transcend / TS512MDOM40V / 512MB	IDE 40 Pin	X		
Transcend / TS512MDOM44V / 512MB	IDE 44 Pin			X
Mini PCI Card Compatibility Test				
Model	Interface	Result		
		Pass	Fail	N/A
GM-100 WLAN 11g Mini PCI Card (Model: Sky Thru GC-100)	LAN			X
GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM)	LAN			X
PER-C20S SATA RAID MiniPCI Card (Silicon Image Sil3512ECTU128 QF7227.1-1)	SATA			X
COM/LPT Ports & RS-232/422/485 Function Test	Result			
	Pass	Fail	N/A	
RS-422 for COM2		X		
RS-485 for COM2		X		
COM1		X		
COM2		X		
COM3		X		
COM4		X		
COM5				X
COM6				X
LPT1		X		
LPT2				X
Card Bus(PCMCIA) Compatibility Function Test				
Model	Result			
	Pass	Fail	N/A	
Intel PRO/Wireless 2011B LAN PC Card (WPC2011BWW)				X
PQI 16MB Compact Flash Adapter (64MB PQI CF Card inserting)				X
Kingston datapack DP-PCM2 / 2GB (PC Card TypeII HDD)				X
PCi GW-NS54SG Cardbus Adapter Wireless LAN Type-II				X

7. O.S. Compatibility Test

Installation Operation System Compatibility Test		Result			
		Pass	Fail	N/A	
[<input checked="" type="checkbox"/>] Linux-RedHat 9.0 or [<input type="checkbox"/>] Fedora Core 4.0 [<input type="checkbox"/>] Fedora Core 6.0		X			
Windows Server 2003 English Version / Standard Edition 5.2.3790				X	
Windows Server 2003 English Version /Standard x64 Edition				X	
Windows XP Professional English Version V2002 Service Pack 2		X			
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2		X			
Windows XP Professional Japanese Version V2002 Service Pack 2		X			
Windows XP Professional English Version /Standard x64 Edition				X	
Windows 2000 Professional English Version V5.00.2195 Service Pack4				X	
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4				X	
Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4				X	
Windows Server 2000 English Version				X	
Windows 98SE English Version V4.10.2222A				X	
DOS 6.22 English Version				X	
DOS 6.22 Japanese Version				X	
Utility and Driver Test					
OS	Drivers Version		Result		
			Pass	Fail	N/A
Linux-Red-Hat 9.0 / Kernel 2.4.20-8	Chipset Software	Default Driver	X		
	Graphics Media	Default Driver	X		
	LAN Driver	Default Driver	X		
	Audio Driver	N/A			X
Windows Server 2003 English Version Standard Edition 5.2.3790	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Server 2003 English Version Standard x64 Edition	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows XP Professional English Version V2002 Service Pack 2	Chipset Software	Geode LX AES Crypto Driver Ver:2.1.1.0(12/08/2006)	X		
	Graphics Media	Advanced Micro Devices Win 2K/XP Graphic Driver Ver:3.3.6.0(01/02/2007)	X		
	PCI to ISA Bridge	ITE8888 PCI to ISA bridge	X		
	LAN Driver	Realtek RTL 8139/810x Family Ethernet NIC Ver:5.663.1212.2006(03/16/2007)	X		

	Audio Driver	Geode WDM Audio Driver for Samba Ver:3.0.0.0(06/29/2006)	X		
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	Chipset Software	Geode LX AES Crypto Driver Ver:2.1.1.0(12/08/2006)	X		
	Graphics Media	Advanced Micro Devices Win 2K/XP Graphic Driver Ver:3.3.6.0(01/02/2007)	X		
	PCI to ISA Bridge	ITE8888 PCI to ISA bridge	X		
	LAN Driver	Realtek RTL 8139/810x Family Ethernet NIC Ver:5.663.1212.2006(03/16/2007)	X		
	Audio Driver	Geode WDM Audio Driver for Samba Ver:3.0.0.0(06/29/2006)	X		
Windows XP Professional Japanese Version V2002 Service Pack 2	Chipset Software	Geode LX AES Crypto Driver Ver:2.1.1.0(12/08/2006)	X		
	Graphics Media	Advanced Micro Devices Win 2K/XP Graphic Driver Ver:3.3.6.0(01/02/2007)	X		
	PCI to ISA Bridge	ITE8888 PCI to ISA bridge	X		
	LAN Driver	Realtek RTL 8139/810x Family Ethernet NIC Ver:5.663.1212.2006(03/16/2007)	X		
	Audio Driver	Geode WDM Audio Driver for Samba Ver:3.0.0.0(06/29/2006)	X		
Windows XP Professional x64 Edition English Version Service Pack 2 V2002	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional English Version V5.00.2195 Service Pack 4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Server 2000	Chipset Software				X

English Version	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows 98SE English Version V4.10.2222A	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X

8. BIOS Function Test

Test Item	Result		
	Pass	Fail	N/A
Memory Beep Test			X
Standard CMOS Setup Test	X		
Boot Sequence Test	X		
Power Management Test			
APM Power Management Test	X		
ACPI Power Management Test	X		
Power On Function Test			X
Wake Up Event Test	X		
Power On after Power Failure Test	X		
CMOS Backup / Clear CMOS Test	X		
Boot ROM Test (PXE)	X		
Supervisor / User Password Test	X		
CRT / LCD / TV Function Test	X		
TV Standard Function Test			X
Init Display First Function Test			X
On-Chip Serial ATA Function Test			X
SATA Mode-IDE/RAID Function Test			X
PC Health Status			
Voltage Monitor Test	X		
FAN Speed Monitor Test	X		
Temperature Monitor Test	X		
Swap Floppy Drive & Boot up Floppy Seek Function Test			X
USB Onboard Device Function Test	X		
COM Address / IRQ Test	X		
LPT Address / IRQ Test	X		
BIOS AWDFLASH Program Test	X		

9. Performance Test

Platform Information

PCB Model / Version	HSB-800I A1.0
BIOS	HSB-800I BIOS Rev 1.0 (12/18/2007)
Operating System	Windows XP Professional V2002 Service Pack 2
CPU	AMD LX-800 500 MHz
Memory	On Board 128MB DDR400(ESMT M13S2561616A-5T)
SATA HDD	N/A
Primary IDE Master	Seagate ST3160815A 160G 3.5" HDD
Primary IDE Slave	Pioneer DVD-ROM DVD-127A
CRT	ViewSonic E70 17" CRT
LCD	N/A
Compact Flash	N/A
Backplane	BP-204SI-A13
Riser Card	N/A
Chipset Software	Geode LX AES Crypto Driver Ver:2.1.1.0(12/08/2006)
Graphics Media	Advanced Micro Devices Win 2K/XP Graphic Driver Ver:3.3.6.0(01/02/2007)
PCI to ISA Bridge	ITE8888 PCI to ISA bridge
LAN Driver	Realtek RTL 8169/8110 Family Gigabit Ethernet NIC Ver:5.663.1212.2006(03/16/2007)
Audio Driver	Geode WDM Audio Driver for Samba Ver:3.0.0.0(06/29/2006)
Touchscreen Driver	N/A
Power Supply	ZECK ZKS-300W

Test result:

Testing Software	Result	Unit
ZD WinBench 99 V2.0		
Business Disk WinMark99	N/N	Thousand bytes/sec
High-End Disk WinMark99	N/A	Thousand bytes/sec
Business Graphics WinMark99	N/A	
High-End Graphics WinMark99	N/A	
PCMark2002		
CPU	608	
Memory	1553	
HDD	1141	
Final Reality V1.01—BenchMark Test		

2D image	3.83	
3D	0.48	
Bus transfer	7.48	
Overall	2.53	Reality marks
ZD 3D Winbench 2000 V1.1		
3D WinMark 2000	N/A	Frames / sec
3Dmark2001SE Pro (Demo version)		
3DMark2001SE Build 330_Benchmark mode	N/A	
ZD Multimedia Content Creation Winstone 2004 V1.0.1 (Up Pentium III 800 MHZ CPU)		
Multimedia Content Creation Winstone 2004	N/A	
Business Winstone 2004 v1.0.1 (Up Pentium III 800 MHZ CPU)		
Business Winstone2004	N/A	