

P5 Verification Test Plan

Release No : 09I010019

Product Model	HSB-945P
Description	PICMG/PCI Half-size card
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> CPU Board : HSB-945P Rev:A1.0 <input checked="" type="checkbox"/> BIOS : HSB-945P BIOS Rev 1.0 (10/12/2009) <input checked="" type="checkbox"/> Backplane : BP-205SP-P4-A10 <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> CPU : Intel® Atom™ CPU N270@1.60GHZ <input checked="" type="checkbox"/> North Bridge : Intel 945GSE <input checked="" type="checkbox"/> South Bridge : ICH7-M <input checked="" type="checkbox"/> VGA Chipset : Intel 945GSE <input checked="" type="checkbox"/> Audio Chipset : Daughter Board PER-U00A <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82562GZ <input checked="" type="checkbox"/> I/O Chipset : IT8712F-S <input checked="" type="checkbox"/> TV Chipset : N/A <input checked="" type="checkbox"/> SDVO : N/A <input checked="" type="checkbox"/> Remark : QE NPDP P5 Report for HSB-945P
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2009/11/17

Issue date

Wenyuan Yang

Manager

Danny Chen

Test Engineer

Summary Table of contents :

Summary Table of contents	2
Platform Information	3
1. I/O Peripheral Function Test	4
2. Power Connector Test	7
2.1. Power Consumption Test	7
3. Timer Accuracy Test	8
4. Network HUB / LAN Connection Test	8
5. Hardware compatibility	9
6. O.S. Compatibility Test	14
7. BIOS Function Test	16
8. Performance Test	17

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	HSB-945P Rev:A1.0	
BIOS / Version	HSB-945P BIOS Rev 1.0 (10/12/2009)	
CPU Type	Intel® Atom™ CPU N270@1.60GHZ	
Memory Type	Transcend DDR2 667 SODIMM 1GB TS128MSQ64V6J	
SATA HDD	Western Digital WD800BEVS-22RST0 80GB	
Primary IDE Master	N/A	
Primary IDE Slave	N/A	
CRT	CTX PR-960F	
LCD	N/A	
Compact Flash	Transcend Compact Flash 4G	
PCI-104	N/A	
Backplane	N/A	
Expansion Board	N/A	
Operating System	[] Linux-RedHat 9.0 or [X] Fedora Core 9.0 [] Cent OS 5.2	1.2.3.4.5.6.7.8
	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 3	1.2.3.4.5.6.7.8
	Windows XP Professional English Version /Standard x64 Edition	N/A
	Windows Vista™ Ultimate English Version	1.2.3.4.5.6.7.8
	Windows Vista™ Ultimate x64 Edition English Version	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 : COOLERMMASTER RS-350-PCAR-13 350W	1.2.3.4.5.6.7.8
	AT Power : N/A	N/A
	DC Power: N/A	N/A

Test Result for Certification

1. I/O Peripheral Function Test

I/O Peripheral Function Test –I/O Function	Result			Note
	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	
SSD H.D 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 3-232	X			
COM 4-232	X			
COM 2-422	X			
COM 2-485	X			
PS/2 Mouse & Keyboard (Internal)	X			CN9
PS/2 Mouse & Keyboard (External)	X			CN11
Audio Connector	X			Daughter Board PER-U00A
Audio 5.1 Channel / S/P DIF			X	
LPT 1	X			
SIR / 115.2 Kbps			X	
FIR / 4M bps			X	
USB 1 Ports	X			USB1
USB 2/3 Ports	X			CN4
USB 4/5 Ports	X			CN5
USB 2.0 1 Ports	X			USB1
USB 2.0 2/3 Ports	X			CN4
USB 2.0 4/5 Ports	X			CN5
DVI Function	X			CN6
DIO Connector	X			CN3
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			CN8
TV-out / S Terminal			X	
TV-out / AV Terminal			X	
Touch Screen – 8 Wire			X	
Touch Screen – 4/5 Wire			X	
DIMM Slots	X			
Watchdog IRQ n			X	
Watchdog Software Control	X			
FAN1 Connector	X			
FAN2 Connector			X	
FAN3 Connector			X	
Express card			X	
Speaker Connector			X	
LCD Backlight Power Connector			X	
DC in Connector			X	
PCI Express Mini Card			X	
Power Button			X	
Battery 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	
Auto Power on selection	X			JP1
LVDS-LCD +5V / 3.3V Selection	X			JP3
COM3.4 Power Selection	X			COMV2
COM3.4 Function Selection	X			COMV1
CMOS Clear Selection	X			JP6
CFD Voltage 3.3V/5V Selection	X			JP2
AT/ATX Mode Select			X	
CFD Master / Slave Selection			X	
Power Connector & Function	Result			
	Pass	Fail	N/A	
Standard AT Power Connector			X	
Standard ATX Power Connector			X	

ATX + 12V(4 Pin Power Connector)		X			
5V Only Power Connector				X	
DC Adapter				X	
LAN Connector & Function		Result			
		Pass	Fail	N/A	
LAN Link / Speed LED	LAN1	X			
	LAN2			X	
LAN Active LED	LAN1	X			
	LAN2			X	
LAN 10/100 Ethernet		X			
LAN 1G Ethernet				X	
PCI Connector & Function		Result			
		Pass	Fail	N/A	
Mini PCI Slot				X	
PCI Slot				X	
PCI Express				X	
Express card				X	

2. Power Connector Test (110V / 220V)

Test Method	Result		
	Pass	Fail	N/A
DC Power Connector- Power On/Off for 10 times in DOS			X
Phoenix Connector (+12V) - Power On/Off for 10 times in DOS			X
ATX + 12V(4 Pin Power Connector) - Power On/Off for 10 times in DOS	X		
AT Connector - Power On/Off for 10 times in DOS			X
5V Only - Power On/Off for 10 times in DOS			X

2.1 Power Consumption Test:

- Test Point:
1. Power on machine and boot into Windows environment
 2. Run test software: Prime95 to make system heavy loading in order to measure its maximum current
 3. Use Prova KYORITSU (set as 20A) to measure each current of system different mode

Environment / Model	Test	ATX Power: COOLERMASTER RS-350-PCAR-13 350W	Note
CPU		Intel® Atom™ CPU N270@1.60GHZ	
HDD		Western Digital WD800BEVS-22RST0 80GB	
RAM		Transcend DDR2 667 SODIMM 1GB TS128MSQ64V6J	
OS Environment		Windows XP Professional English Version V2002 Service Pack 3	
Normal Mode (+5V)			A
Suspend Mode (+5V)			A
5VSB in Power Off Mode (just for ATX)			A
5VSB in Power On Mode (just for ATX)			A
Normal Mode (+12V)		0.61	A
Suspend Mode (+12V)		0.46	A
Normal Mode (+3.3V) (just for ATX)			A
Suspend Mode (+3.3V) (just for ATX)			A
Normal Mode (-12V)			A
Suspend Mode (-12V)			A
Normal Mode (-5V)			A
Suspend Mode (-5V)			A

3. Timer Accuracy Test

System Clock & RTC Clock Test				
Test Method	Margin for error	Result		
		Pass	Fail	N/A
System Clock in Power On Mode	±1 second during 24 hours	X		
RTC Clock in Power On Mode	±1 second during 24 hours	X		
RTC Clock in Power Off Mode	±1 second during 24 hours	X		
Watchdog Timer Test		Result		
		Pass	Fail	N/A
Time-out Interval	10 sec	X		
	20 sec	X		
	60 sec	X		
	255 sec	X		

4. Network HUB / LAN Connection Test

Location		LED Type				Result		
						Pass	Fail	N/A
LAN 1 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
		D-Link DGS-1008T	100M	1GBps	100	X		
		Accton DeskTop-3005	100M	100 MBps	100	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10	X		

5. Hardware Compatibility

CPU Compatible Test							
CPU Type		FSB	Prime95 Version		Result		
					Pass	Fail	N/A
Intel® Atom™ CPU N270@1.60GHZ		533 MHz	V2414		X		
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Transcend	TS128MSQ64V6J	DDR2-667	1GB	V211	X		
Audio Basic Function Test					Result		
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		
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		
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 G084SN05 V.3 / 8.4" / 800*600 / 18bit (4:3)	3.3V	X		
	AU G150XG01 V.0 / 15" / 1024*768 / 18bit (4:3)	3.3V	X		
	Toshiba /12.1"/1280 x 768 x 18bit (16:9)	3.3V	X		
	AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3)	3.3V			X
	AU G084SN05 V.3 / 10" / 800*600 / 24bit (4:3)	3.3v			X
	Data Image 7" / 800*480 / 18bit (16:9)	3.3V	X		
	AU M170EG01 V.D/ 17"/ 1280*1024 / 48bit (4:3)	5V			X
	AU M170XW01 V.1 / 17" / 1280x768 / 24bit (16:9)	5V			X
	AUO T260XW02 / 26" / 1366x768 / 24bit	5V			X
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V			X
	AUO T370HW01 / 37" / 1920x1080 / 48bit	5V			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
CHANTECH NVIDIA GeForce4 MX440-8X	VGA Card			X
SC3000 CMI8738/C3DX	Sound 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
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

	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 VGA Card			X
WinFast PX6200 TC TDH PCI-Express x16 VGA Card			X
HDD Compatibility Test			
SATA Model	Result		
	Pass	Fail	N/A
0Western Digital WD 1600AAJS-00PSA0 160GB	X		
Seagate ST380815AS 80GB	X		
SATA DVD-ROM Compatibility Test			
Model	Result		
	Pass	Fail	N/A
SATA DVD ROM TEAC DV-W520GS-K-EU-S	X		
IDE Cable Function test			
IDE Model	Result		
	Pass	Fail	N/A
40 Pin Cable ATA66			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
Mitsumi FLL3.5 D353GUE/FUE	X		
USB HDD 20GB	X		
USB Card Reader	X		
USB Mouse	X		
USB Thumb drive Sandisk 1G	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	
DOC				X	
Type-I CF	Fix / PIO Mode			X	
Type-I CF	Fix / UDMA Mode	X			
Digital I/O Connector Test		Result			
		Pass	Fail	N/A	
Input Address:		X			
Output Address:		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 RAID Function Test					
Model	Interface	Result			
		Pass	Fail	N/A	
Set SATA HDDs as RAID 0				X	
Set SATA HDDs as RAID 1				X	
Set SATA HDDs as RAID 10				X	
Set SATA HDDs as RAID 5				X	
COM Function Test		Result			
		Pass	Fail	N/A	
COM Port Burn In Test overnight		X			
Disk On Module [DOM] Compatibility Test					
Model	Interface	Result			
		Pass	Fail	N/A	
Transcend / TS512MDOM40V / 512MB				X	
Transcend / TS512MDOM44V / 512MB				X	

Mini PCI Card Compatibility Test				
Model (Use PCI-104 transform board: MBC-1TM Rev.A1.0)	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		
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	

6. O.S. Compatibility Test

Installation Operation System Compatibility Test			Result		
			Pass	Fail	N/A
[] Linux-RedHat 9.0 or [] Fedora Core 4.0 [X] Cent OS 5.2			X		
Windows Server 2003 English Version / Standard Edition 5.2.3790					X
Windows Server 2003 English Version /Standard x64 Edition					X
Windows Vista™ Ultimate English Version			X		
Windows Vista™ Ultimate x64 Edition English Version			X		
Windows XP Professional English Version V2002 Service Pack 3			X		
Windows XP Professional English Version /Standard x64 Edition			X		
Windows 2000 Professional English 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
Utility and Driver Test					
OS	Drivers Version		Result		
			Pass	Fail	N/A
Fedora Core 9	Chipset Software	Fedora Core 9 Default setting	X		
	Graphics Media	Fedora Core 9 Default setting	X		
	LAN Driver	Fedora Core 9 Default setting	X		
	Audio Driver	Fedora Core 9 Default setting	X		
Windows Vista™ Ultimate x64 Edition English Version	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows Vista™ Ultimate English Version	Chipset Software	Intel ® Chipset Device Software 9.0.0.1008 (05/01/2008)	X		
	Graphics Media	Mobile Intel ® 945 Express Chipset Family 7.14.10.1504 (6/18/2008)	X		
	LAN Driver	Intel ® PRO/100 VE Network Connection 8.0.47.0 (12/6/2007)	X		
	Audio Driver	Daughter Board PER-U00A Realtek AC97 Audio 5.10.0.5820 (3/25/2005)	X		
Windows XP Professional English Version V2002 Service Pack 3	Chipset Software	Intel ® Chipset Device Software 9.0.0.1008 (05/01/2008)	X		
	Graphics Media	Mobile Intel ® 945 Express Chipset Family 6.14.10.4926 (2/15/2008)	X		
	LAN Driver	Intel ® PRO/100 VE Network Connection 8.0.47.0 (12/6/2007)	X		

	Audio Driver	Daughter Board PER-U00A Realtek AC97 Audio 5.10.0.5820 (3/25/2005)	X		
Windows XP Professional x64 Edition English Version Service Pack 2 V2002	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows 2000 Professional English Version V5.00.2195 Service Pack 4	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows Server 2000 English Version	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows 98SE English Version V4.10.2222A	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X

7. 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 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		
TPM Function Test			X
IAMT Function Test			X
DVMT Function Test	X		
AAEON Tag Check Utility	X		

8. Performance Test

Platform Information

PCB Model	HSB-945P Rev:A1.0
Backplane	BP-205SP-P4-A10
BIOS	HSB-945P BIOS Rev1.0 (10/12/2009)
Operating System	English Windows XP Professional Service Pack 3 V2002
CPU	Intel® Atom™ CPU N270@1.60GHZ
Memory	Transcend DDR2 667 SODIMM 1GB TS128MSQ64V6J
SATA HDD	Western Digital WD800BEVS-22RST0 80GB
Primary IDE Master	N/A
Primary IDE Slave	N/A
CRT	View Sonic E70
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Expansion Board	N/A
Chipset Software	Intel ® Chipset Device Software 9.0.0.1008 (05/01/2008)
Graphics Media	Mobile Intel ® 945 Express Chipset Family 6.14.10.4926 (2/15/2008)
LAN Driver	Intel ® PRO/100 VE Network Connection 8.0.47.0 (12/6/2007)
Audio Driver	Daughter Board PER-U00A Realtek AC97 Audio 5.10.0.5820 (3/25/2005)
Touchscreen Driver	N/A
Power Supply	COOLERMMASTER RS-350-PCAR-13 350W

Test result:

Final Reality V1.01—BenchMark Test (Reality Marks)		
2D Image	20.31	
3D	4.09	
Bus transfer	34.88	
Overall	13.57	
3Dmark2001SE Pro (Demo version)		
3DMark2001SE Build 330_Benchmark mode	2821	
PCMark2002		
CPU	2647	
Memory	6328	
HDD	1144	
PCMark05		
PCMark	N/A	
CPU	1497	
Memory	2430	
Graphics	N/A	
HDD	3889	
3Dmark2003 v360		
3Dmark Score	725	