

P5 Verification Test Plan

Release No: 10P010007

Product Model	AEC-6841
Description	Fanless Embedded Controller With Intel Atom Processor
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : AEC-6841 A1.0 <input checked="" type="checkbox"/> BIOS : AEC-6841 1.0 <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : 945GSE <input checked="" type="checkbox"/> South Bridge : ICH7-M <input checked="" type="checkbox"/> VGA Chipset : Intel(R) 945GSE Integrated <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC655-LF <input checked="" type="checkbox"/> Ethernet Chipset : Intel EP82562ET 10/100 Ethernet <input checked="" type="checkbox"/> I/O Chipset : iTE IT8712F-S (From 9697T14101-D Carried board) <input checked="" type="checkbox"/> TV Chipset : Intel 945GSE Integrated <input checked="" type="checkbox"/> Remark : QE NPDP P5 Report for AEC-6841
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2010/03/19

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
PCB Model / Version	AEC-6841 / A1.0
CPU Board	XTX-945GSE A1.1
BIOS / Version	AEC-6841 / 1.0
CPU Type	Intel N270 Atom 1.6GHz / FSB: 533MHz / L2: 512KB
Memory Type	ELPIDA DDR2-533 1GB(E5108AGBG-6E-E)
SATA HDD	N/A
SATA DVD	N/A
Primary IDE Master	WD 3.5" SATA2 7200RPM 80GB(WD800JB)
Primary IDE Slave	WD 3.5" SATA2 7200RPM 80GB(WD800JB)
CRT	Hanns.G 15"(JC151A)
LCD	N/A
Compact Flash	Transcend UDMA 133x 8GB
Riser Card	N/A
Backplane	N/A
Operating System	[<input type="checkbox"/>] Linux-RedHat 9.0 or [<input checked="" type="checkbox"/>] Fedora Core 6 Windows XP Professional English Version V2002 Service Pack 3
Power Supply	ATX Power : N/A AT Power : N/A DC Adapter : FSP 36W(FSP036-1AD101C)

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 7.1 Channel / S/P DIF			X
LPT 1			X
LPT 2			X
SIR / 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
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
CRT	X		
TV-out / S Terminal			X
TV-out / AV Terminal			X
DVI			X
HDMI			X
Component Video : Y/ Pb /Pr			X
Touch Screen – 4 Wire			X
Touch Screen – 5 Wire			X
Touch Screen – 8 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 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 Slots		X		
PCI Slots				X
PCI Express				X
Mini PCI Express card		X		
Express card				X

2. Power Consumption Test (Run Prime95 Program)

Platform Information

PCB Model / Version / CPU Board	N/A
Carrier Board	N/A
BIOS	N/A
Operating System	N/A
CPU	N/A
Memory	N/A
SATA HDD	N/A
Primary IDE Master	N/A
Primary IDE Slave	N/A
CRT	N/A
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Power Supply	ATX Power Supply : N/A
	AT Power Supply: N/A
	DC Adapter : N/A

Test Environment	ATX Power: N/A		AT Power: N/A		Note
Model					
CPU	N/A		N/A		S1
HDD	N/A		N/A		
RAM	N/A		N/A		
OS Environment	N/A		N/A		
Normal Mode (+5V)	N/A	A	N/A	A	
Suspend Mode (+5V)	N/A	A	-----	A	
5VSB in Power Off Mode (just for ATX)	N/A	A	-----	A	
5VSB in Power On Mode (just for ATX)	N/A	A	-----	A	
5VSB in Suspend Mode (just for ATX)	N/A	A	-----	A	S1
Normal Mode (+12V)	N/A	A	N/A	A	
Suspend Mode (+12V)	N/A	A	-----	A	
Normal Mode (+3.3V) (just for ATX)	N/A	A	-----	A	
Suspend Mode (+3.3V) (just for ATX)	N/A	A	-----	A	
Normal Mode (-12V)	N/A	A	N/A	A	
Suspend Mode (-12V)	N/A	A	-----	A	
Normal Mode (-5V)	N/A	A	N/A	A	
Suspend Mode (-5V)	N/A	A	-----	A	

3. Timer Accuracy Test

System Clock & RTC Clock Test				
Test Method	Margin for error	Result		
		Pass	Fail	N/A
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		

4. Network HUB / LAN Connection Test

Location	LED Type	Result		
		Pass	Fail	N/A
LAN1 LED	Link / Speed LED	X		

		Active LED				X		
LAN2 LED		Link / Speed LED				X		
		Active LED				X		
Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN1	10/100/1000 Mbps	D-Link DGS-1008T	100M	1GBps	1000	X		
		Accton DeskTop-3005	100M	100 MBps	100	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10	X		
Onboard LAN2	10/100/1000 Mbps	D-Link DGS-1008T	100M	1GBps	1000	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	
Onboard INTEL ATOM CPU N270 1.6GHz		533MHz	V.256	X			
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
DSL	DDR2 SO-DIMM 667UELPG	667	1GB	V1.7	X		
Audio Basic Function Test					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
8-channel mode for 7.1 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
	Data Image 7" / 800*480 / 18bit (16:9)	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
	AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3)	3.3V			X
	Toshiba /12.1"/1280 x 768 x 18bit (16:9)	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	5V			X
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V			X
	AUO T370HW01 / 37" / 1920x1080 / 48bit	5V			X
	AUO M190PW01 V0 / 19" / 1440X900/48 bit	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	
Creative Sound BLASTER Live5.1	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	Result			
	Pass	Fail	N/A	
NE2000 Compatible LAN Card (RTL8019AS)				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	
FUJITSU MHW2040AC 40GB 2.5" HDD	X			
FUJITSU MHW2040AC 40GB 2.5" HDD / ATA-133 / SATA	X			
Transcend SSD 16G - TS16GSSD25S / SATA II	X			
HITACHI HDP725025GLA380 / 250GB / SATA 3.0Gb/s				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		Result			
Model		Pass	Fail	N/A	
USB 2.0 HUB PowerSync / USB 2.0 4 Port HU-155		X			
Mitsumi FLL3.5 D353GUE/FUE		X			
USB HDD 20GB		X			
USB2.0 DRW-1604PD/WHT/G/ASUS		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		Result			
		Pass	Fail	N/A	
Input Address: BF		X			
Output Address: 33		X			
VCC: (5V) , Position : (801)		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
PCI/104 Express	AAEON PER-123			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 overnight				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
PCI 10/100 LAN Mini PCI Card (Model:PER-C10L)	LAN	X		
GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM)	WLAN			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

6. O.S. Compatibility Test

Installation Operation System Compatibility Test			Result		
			Pass	Fail	N/A
[<input type="checkbox"/>] Linux-Red Hat 9.0 or [<input checked="" type="checkbox"/>] Fedora Core 6			X		
Windows Vista TM Ultimate English Version					X
Windows Vista TM 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 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 Server 2003 English Version / Standard Edition 5.2.3790					X
Windows Server 2003 English Version /Standard x64 Edition					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
Linux-Fedora 6 / Kernel- 2.6.27.5-117 fc10	Chipset Software	Default Driver	X		
	Graphics Media	Default Driver	X		
	LAN Driver	Default Driver	X		
	Audio Driver	Default Driver	X		
Windows Vista TM Ultimate English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows Vista TM Ultimate x64 Edition English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows XP Professional English Version V2002 Service Pack 3	Chipset Software	Intel chipset 4 Series Chipset Ver.9.0.0.1008 Date: May 01 2008	X		
	Graphics Media	Mobile Intel® 945 Express Chipset Ver.6.14.10.4926 Date:2/15/2008	X		

	LAN Driver	INTEL® PRO/100 VE Network Ver7.1.12.0 date:2/10/2004	X		
	Audio Driver	REALTEK AC'97 AUDIO Ver.5.10.0.5820 Date:3/25/2005	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 English Version	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				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 98SE English Version V4.10.2222A	Chipset Software				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				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 (RPL/PXE)			X
Supervisor / User Password Test	X		
CRT / LCD / DVI / HDMI //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		

8. Performance Test

Platform Information

CPU Board	XTX-945GSE A1.1
Carrier Board	AEC-6841 A1.0
BIOS	AEC-6841 1.0
Operating System	Windows XP Professional V2002 Service Pack 3
CPU	INTEL ATOM CPU N270 1.6GHz
Memory	DSL –DDR2 SODIMM 1GB 667UELPG
SATA HDD	N/A
Primary IDE Master	FUJITSU MHW2040AC 40GB 2.5” HDD
Primary IDE Slave	N/A
CRT	ViewSonic E70 17”
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
Chipset Software	Intel chipset 4 Series Chipset Ver.9.0.0.1008 Date: May 01 2008
Graphics Media	Mobile Intel® 945 Express Chipset Ver.6.14.10.4926 Date:2/15/2008
LAN Driver	INTEL® PRO/100 VE Network Ver7.1.12.0 date:2/10/2004
Audio Driver	REALTEK AC’97 AUDIO Ver.5.10.0.5820 Date:3/25/2005
Touchscreen Driver	N/A
Power Supply or Adapter	DC-Adapter :LE 0316B160080 80W

Test result:

Testing Software	Result	Unit
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PCMark2002		
CPU	1317	
Memory	4311	
HDD	627	
Final Reality V1.01—BenchMark Test		
2D image	9.06	
3D	2.97	
Bus transfer	28.31	
Overall	8.60	Reality marks
3Dmark2001		
3Dmark2001SE Build 330_Benchmark mode	N/A	

Test Result:

Testing Software	Result	Unit
PCMark05		
PCMark	732	PCMarks
CPU	N/A	
Memory	N/A	
Graphics	N/A	
HDD	N/A	
3Dmark2003 v360		
3Dmark Score	358	

**Remark: Please uses below two performance software to test main board if the chipset is new enough.
(ex. Intel Core 2 Duo CPU)**