

P5 Verification Test Plan

Release No : 10P010006

Product Model	AEC-6940
Description	High end embedded controller
Test Configuration	<ul style="list-style-type: none"> ⌘ New product <ul style="list-style-type: none"> ⌘ CPU Board : COM-45SP ⌘ BIOS : AEC-6940 BIOS Rev 1.0(01/27/2009) ⌘ Carrier Board : AEC-6940 Rev A0.2 ⌘ Chipset : <ul style="list-style-type: none"> ⌘ CPU : Intel Mobile Core 2 Duo T9400 @ 2.53GHz ⌘ North Bridge : Intel GM45 ⌘ South Bridge : Intel ICH9M ⌘ VGA Chipset : Intel GM45 internal Chipset ⌘ Audio Chipset : Realtek ALC888 High definition audio (For Carrier Board) ⌘ Ethernet Chipset : Intel 82567LM LAN / Intel82574LGigabit Ethernet (For Carrier Board) ⌘ I/O Chipset : Fintek F75111 / IT8712F (For Carrier Board) ⌘ TV Chipset : Intel GM45 internal Chipset ⌘ Remark : QE P5 Report for AEC-6940
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2010 / 03 / 05

Issue date

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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
System Model	AEC-6940	1,2,3,4,5,6,7,8
CPU Board	COM-45SP Rev A1.0	1,2,3,4,5,6,7,8
Carrier Board	AEC-6940 Rev. A0.2	1,2,3,4,5,6,7,8
BIOS / Version	AEC-6940 BIOS Rev 1.0(01/27/2009)	1,2,3,4,5,6,7,8
CPU Type	Intel Mobile Core 2 Duo P8600 @ 2.40GHz Intel Mobile Core 2 Duo T9400 @ 2.53GHz	1,2,3,4,5,6,7,8
Memory Type	Samsung DDR3 SO-DIMM ~ 1066 ~2GB DSL DDR3 SO-DIMM ~ 1066 ~ 2GB	1,2,3,4,5,6,7,8
SATA H.D	FUJITSU 2.5" SATA H.D 80G ~ MHZ2080BH G2	1,2,3,4,5,6,7,8
CRT	View Sonic CRT 17" E70	1,2,3,4,5,6,7,8
LVDS	AUO G065VN01 V.0 / 6.5" / 640x480 / 18bit (4:3) AUO G065VN01 V.0 / 6.5" / 640x480 / 24bit (4:3) Data Image 7" / 800*480 / 18bit (16:9) AU G084SN05 V.3 / 8.4" / 800*600 / 18bit (4:3) AU G150XG01 V.0 / 15" / 1024*768 / 18bit (4:3) AU M150XN07 V.2 / 15" / 1024x768 / 24bit (4:3) AU M170EG01 V.D/ 17" / 1280*1024 / 48bit (4:3) AU M170EG01 V.D/ 17" / 1280*1024 / 48bit (4:3) AUO T260XW02 / 26" / 1366x768 / 24bit AU M201UN02 V.5 / 20.1" / 1600x1200 48bit AUO T370HW01 / 37" / 1920x1080 / 48bit	1,2,3,4,5,6,7,8
Compact Flash	Transcend 2G / 4G CF Card	1,2,3,4,5,6,7,8
Expansion Board	PCB:1907R07P02 Rev A1.1 (PCI slot)	1,2,3,4,5,6,7,8
	PCB:1907R12X00 Rev A0.1 (PCI-E slot)	1,2,3,4,5,6,7,8
Operating System	[] Linux-RedHat 9.0 or [X] Fedora Core 10 - kernel 2.6.27	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	1,2,3,4,5,6,7,8
	Windows Vista 32-bit	1,2,3,4,5,6,7,8
	Windows Vista 64-bit	1,2,3,4,5,6,7,8
	Windows 2000 Professional English 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
Windows XP Embedded	N/A	
Power Supply	ATX Power : N/A	N/A
	AT Power : N/A	N/A
	DC Power: FSP Adapter ~ FSP 120AAB DC Output: 19V	1,2,3,4,5,6,7,8

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
IDE Channel 0 Master	X		
IDE Channel 1 Master	X		
IDE Channel 2 Master			X
IDE Channel 3 Master			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 3-232	X		
COM 4-232	X		
COM 5-232 External Port (CN16)	X		
COM 6-232 External Port (CN17)	X		
COM 2-422	X		
COM 2-485	X		
PS/2 Mouse & Keyboard (Internal)	X		
PS/2 Mouse & Keyboard (External)			X
Audio Connector	X		
Audio S/PDIF External Port (CN9)	X		
LPT 1 External Port (CN15)	X		
LPT 2			X
IRDA			X
USB 1/2 Ports	X		
USB 3/4 Ports	X		
USB 5/6 Ports External Port (CN10)	X		
USB 2.0 1/2 Ports	X		
USB 2.0 3/4 Ports	X		
USB 2.0 5/6 Ports External Port (CN10)	X		
DVI Function			X
DIO Connector External Port (CN16)	X		
PC/104			X
PC/104-Plus			X

PCI-104			X
CD-In Connector External Port (CN6)		X	
TFT TTL LCD			X
TFT LVDS LCD External Port (CN8)		X	
TV-out / S Terminal External Port (CN)		X	
TV-out / AV Terminal External Port (JP9)			X
Touch Screen – 8 Wire			X
Touch Screen – 4 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
CMOS Clear Selection		X	
COM1~COM6 Pin Select		X	
FAN Power Select		X	
USB Power Select		X	
Power Connector & Function	Result		
	Pass	Fail	N/A
AC Power		X	
5V only Power for Big 4P			X
ATX Power Connector			X
ATX Power_12V Connector			X
AT Power Connector			X
LAN Connector & Function	Result		
	Pass	Fail	N/A
LAN Speed LED	LAN1	X	
	LAN2	X	
	LAN3		X
LAN Active LED	LAN1	X	
	LAN2	X	
	LAN3		X
LAN Link LED	LAN1	X	

	LAN2	X		
	LAN3			X
LAN 10/100 Ethernet		X		
LAN 1G Ethernet		X		
PCI Connector & Function		Result		
		Pass	Fail	N/A
Mini PCI Slots External Port (MPCI1)		X		
PCI Slots By Expansion Board - PCB:1907R07P02 Rev A1.1		X		
PCI Express By Expansion Board - PCB:1907R12X00 Rev A0.1		X		
Mini PCI-Express External Port (CN7)		X		
Express card		X		
PCMCIA Function		Result		
		Pass	Fail	N/A
Intel PRO/Wireless 2011B LAN PC Card (WPC2011BWW)				X
Accton 10/100 Fast Ethernet CardBus PC Card				X

2. Power Connector Test

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

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		
	60 sec	X		
	120 sec	X		
	255 sec	X		

4. 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
		D-Link DGS-1008T	100M	1GBps	1G	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 Mobile Core 2 Duo P8600 @ 2.40GHz	1066	V 25.11	X				
Intel Mobile Core 2 Duo T9400 @ 2.53GHz	1060	V 25.11	X				
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Samsung DDR3	SEC 904 HCF8 K4B1G0846D	1066	2GB	V4.00	X		
DSL DDR3	ELPIDA J1108BABG-DJ-E	1066	2GB	V4.00	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		
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	
	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			

LVDS	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		
	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	12V	X		
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V	X		
	AUO T370HW01 / 37" / 1920x1080 / 48bit	12V	X		

PCI Slot Function (PCI Adapter Card) Test

Model	Type	Result		
		Pass	Fail	N/A
CHAINTECH NVIDIA GeForce4 MX440-8X	VGA Card	X		
Creative Sound BLASTER Live5.1	Sound Card	X		
Takram DC-395U V1.02	SCSI Card	X		
I-VIEW CP-1400AS (with Age STD-477FAI CCD)	Capture Card	X		
D-Link DWL-520+ INTEL PWLA8391GTBLK Pro/1000 Giga LAN Card	LAN Card	X		
ADAPTEC 1420SA RoHS 4-Port SATA II RAID	RAID Card	X		
D-Link DU-520 USB 2.0	USB Hub Card	X		

ISA Slot Function Test

Model	Type	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
FUJITSU 2.5" SATA H.D 80G ~ MHZ2080BH G2	X		

CD/DVD-ROM Compatibility Test

Model	Result		
	Pass	Fail	N/A
PIONEER SATA DVD-ROM DVR-217	X		
SONY USB2.0 DVD-R/W DRX-830UL (USB DVD-ROM)	X		

LITE-ON LITEON DX-20A4PU (USB DVD-ROM)	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	Pass	Fail	N/A	
Mitsumi FLL3.5 D353GUE/FUE	X			
USB HDD 20GB	X			
USB Card Reader	X			
USB Mouse	X			
USB Thumb drive – Kingston USB H.D 8G	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	Chip			X
Type-II CF	Fix / PIO Mode	X		
Type-II CF	Fix / UDMA Mode	X		

Digital I/O Connector Test			Result		
			Pass	Fail	N/A
Input Address: 801			X		
Output Address: 801			X		
VCC: (5V)			X		
DIO-1 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		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 –COM1			X		
COM Port Burn In Test overnight –COM2			X		
COM Port Burn In Test overnight –COM3			X		
COM Port Burn In Test overnight –COM4			X		
COM Port Burn In Test overnight –COM5			X		
COM Port Burn In Test overnight –COM6			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 (Use PCI-104 transform board: MBC-1TM Rev.A1.0)		Interface	Result		
			Pass	Fail	N/A
MiniPCI -WLAN Card - Gigabyte GN-WIAG/GN-WPEAG (mini) PCI WLAN Card		WLAN	X		
GM-101 WLAN 11b/g 54Mbps Mini PCI Card (Model: VNT6655AM)		LAN	X		

ADLINK mPCI-8750 ATI Rage XL Mini PCI VGA Card	VGA	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		
RS-232 for COM1		X		
RS-232 for COM2		X		
RS-232 for COM3~COM6		X		
LPT1		X		
LPT2				X
PCMCIA Compatibility Function Test		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
Express Card Function Test		Result		
		Pass	Pass	Pass
SUNIX SATA2 Express Card ECSA24		X		
SunBox Gigabit LAN ExpressCard		X		

6. O.S. Compatibility Test

Installation Operation System Compatibility Test		Result			
		Pass	Fail	N/A	
[] Linux-RedHat 9.0 or [X] Fedora Core 10.0 - kernel: 2.6.27		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 3 -32bit		X			
Windows XP Professional English Version /Standard x64 Edition -64bit		X			
Windows Vista™ Ultimate English Version -32bit		X			
Windows Vista™ Ultimate x64 English Version -64bit		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	
Windows XP Embedded				X	
Utility and Driver Test					
OS	Drivers Version		Result		
			Pass	Fail	N/A
Fedora Core 10.0	Chipset Software	Default Driver	X		
	Graphics Media	Default Driver	X		
	LAN Driver	Default Driver	X		
	Audio Driver	Default Driver	X		
Windows Server 2003 English Version Standard Edition 5.2.3790	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows Server 2003 English Version Standard x64 Edition	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows XP Professional English Version V2002 Service Pack 3	Chipset Software	Intel(R) Chipset Device Software ~ 9.0.0.1007 ~ 03/26/2009	X		
	Graphics Media	Mobile Intel(R) 4 Series Express Chipset Family ~ 6.14.10.4969 ~ 07/03/2008	X		
	LAN1 Driver	Intel(R) 82574L Gigabit Network Connection ~ 11.1.6.0 ~ 07/13/2009	X		
	LAN2 Driver	Intel(R) 82567LM Gigabit Network Connection ~9.50.1.0 ~ 11/16/2007	X		
	Audio Driver	Realtek High Definition Audio ~ 6.0.1.5657 ~ 07/03/2008	X		
Windows XP Professional x64 Edition English Version	Chipset Software	Intel(R) Chipset Device Software ~ 9.0.0.1007 ~ 03/26/2009	X		

Service Pack 2 V2002	Graphics Media	Mobile Intel(R) 4 Series Express Chipset Family ~ 6.14.10.4969 ~ 07/03/2008	X		
	LAN1 Driver	Intel(R) 82574L Gigabit Network Connection ~ 11.1.6.0 ~ 07/13/2009	X		
	LAN2 Driver	Intel(R) 82567LM Gigabit Network Connection ~9.50.1.0 ~ 11/16/2007	X		
	Audio Driver	Realtek High Definition Audio ~ 6.0.1.5657 ~ 07/03/2008	X		
Windows Vista™ Ultimate English Version -32bit	Chipset Software	Intel(R) Chipset Device Software ~ 9.0.0.1007 ~ 03/26/2009	X		
	Graphics Media	Mobile Intel(R) 4 Series Express Chipset Family ~ 8.15.10.1986 ~ 10/30/2009	X		
	LAN1 Driver	Intel(R) 82574L Gigabit Network Connection ~ 11.1.6.0 ~ 07/13/2009	X		
	LAN2 Driver	Intel(R) 82567LM Gigabit Network Connection ~9.50.1.0 ~ 11/16/2007	X		
	Audio Driver	Realtek High Definition Audio ~ 6.0.1.5657 ~ 07/03/2008	X		
Windows Vista™ Ultimate x64 English Version -64bit	Chipset Software	Intel(R) Chipset Device Software ~ 9.0.0.1007 ~ 03/26/2009	X		
	Graphics Media	Mobile Intel(R) 4 Series Express Chipset Family ~ 8.15.10.1986 ~ 10/30/2009	X		
	LAN 1Driver	Intel(R) 82574L Gigabit Network Connection ~ 11.1.6.0 ~ 07/13/2009	X		
	LAN 2Driver	Intel(R) 82567LM Gigabit Network Connection ~9.50.1.0 ~ 11/16/2007	X		
	Audio Driver	Realtek High Definition Audio ~ 6.0.1.5657 ~ 07/03/2008	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
Windows XP Embedded	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			
ATX Power Management Test	X		
AT 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 / 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		
USB Onboard Device Function Test	X		
COM Address / IRQ Test	X		
LPT Address / IRQ Test	X		
BIOS Award Program Test	X		

8. Performance Test

Platform Information

System Model	AEC-6940
BIOS	AEC-6940 BIOS Rev 1.0(01/27/2009)
Operating System	Windows XP Professional SP3
CPU	Intel Mobile Core 2 Duo T9400 @ 2.53 GHz ~ FSB 1066 MHz
Memory	DSL DDR3 SO-DIMM ~ 1066 ~ 2GB ~ ELPIDA J1108BABG-DJ-E Samsung DDR3 DO-DIMM ~ 1066 ~ 2GB ~ SEC 904 HCF8 K4B1G0846D
SATA H.D	FUJITSU 2.5" SATA H.D 80GB ~ MHZ2080BH
CRT	ViewSonic E70 17' CRT
Chipset Software	Intel(R) Chipset Device Software ~ 9.0.0.1007 ~ 03/26/2009
Graphics Media	Mobile Intel(R) 4 Series Express Chipset Family ~ 6.14.10.4969 ~ 07/03/2008
LAN Driver	Intel(R) 82567LM Gigabit Network Connection ~ 9.50.1.0 ~ 11/16/2007 Intel(R) 82574L Gigabit Network Connection ~ 10.3.49.0 ~ 08/05/2008
Audio Driver	Realtek High Definition Audio ~ 5.10.0.5657 ~ 07/03/2008
Power Supply	SINPRO Power Supply / input: 100-240V output:24V / MPU130-108

Test result:

Final Reality V1.01—BenchMark Test (Reality Marks) (1024*768)		
2D Image	58.45	
3D	4.43	
Bus transfer	129.47	
Overall	39.39	Reality marks
3Dmark2001SE Pro (1024*768)		
3Dmark2001SE Build 330 Benchmark mode	8213	
3Dmark2003 v360 (1024*768)		
3Dmark Score	2486	
CPU Score	733	
PCMark2002 (1024*768)		
CPU	9950	
Memory	30789	
HDD	1431	
PCMark05 (1024*768)		
PCMark	N/A	
CPU	6453	
Memory	5500	
Graphics	1745	
HDD	4785	