

QE 【Workstation / Panel PC】

P5 Verification Test Plan

Release No : 07P010016

Product Model	AEC-6915
Description	4 Slots PCI with small size IPC control PC
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> System : BOXER AEC-6915 A1.0 (COM-915 B1.0) <input checked="" type="checkbox"/> BIOS : AEC-6915 BIOS Rev 1.0 (09/21/2007) <input checked="" type="checkbox"/> Riser Card : PCB: 1907R14P00 A0.1 <input checked="" type="checkbox"/> I/O Board : PCB:1907T08901 A0.2 <input checked="" type="checkbox"/> M/B Chipset : <input checked="" type="checkbox"/> North Bridge : Intel 915GM <input checked="" type="checkbox"/> South Bridge : Intel ICH6 <input checked="" type="checkbox"/> VGA Chipset : Intel 915GM <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC655 3B190T1 348D <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82573L Gigabit Ethernet <input checked="" type="checkbox"/> I/O Chipset : ITE IT8712 <input checked="" type="checkbox"/> TV Chipset : Intel 915GM <input checked="" type="checkbox"/> Remark : QE P5 Report for AEC-6915 A1.0
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2007/11/21

Issue date

Wenyuan Yang

Manager

Eva Yeh

Test Engineer

Summary Table of contents :

Summary Table of contents	2
Platform Information	3
1. Power On and Reset Test	4
2. I/O Peripheral Function Test	4
3. Power Consumption Test	7
4. Power Connector Test	8
5. Timer Accuracy Test	8
6. Network HUB / LAN Connection Test	8
7. Hardware compatibility	9
8. O.S. Compatibility Test	14
9. BIOS Function Test	16
10. 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 / Version	BOXER AEC-6915 A1.0 (MB COM-915 Rev. B1.0)	1,2,3,4,5,6,7,8,9,10
BIOS / Version	AEC-6915 BIOS Rev 1.0 (09/21/2007)	1,2,3,4,5,6,7,8,9,10
CPU Type	Intel Pentium M 760 2.0GHz Intel Celeron M 370 1.5GHz	1,2,3,4,5,6,7,8,9,10
Memory Type	Apacer DDRII 533 MHz 512MB (ELPIDA E5108AGBG-6E-E)	1,2,3,4,5,6,7,8,9,10
Primary IDE Master	N/A	N/A
Primary IDE Slave	TEAC DW-224SL-R	1,2,3,4,5,6,7,8,9,10
SATA Port 1 Device	Fujitsu 2.5" MHW2060BH 60GB	1,2,3,4,5,6,7,8,9,10
SATA Port 2 Device	N/A	N/A
CRT	ViewSonic E70 17"	1,2,3,4,5,6,7,8,9,10
LCD	N/A	N/A
Compact Flash	N/A	N/A
Backplane	N/A	N/A
Riser Card	PCB:1907R14P00 A0.1	1,2,3,4,5,6,7,8,9,10
Operating System	[] Linux-RedHat 9.0 or [X] Fedora Core 5.0	8
	Windows Server 2003 English Version / Standard Edition 5.2.3790	N/A
	Windows Server 2003 English Version / Standard X64 Edition	N/A
	Windows Vista Ultimate English Version	N/A
	Windows XP Professional English Version V2002 Service Pack 2	1,2,3,4,5,6,7,8,9,10
	Windows XP Professional Simplified-Chinese Version	8
	Windows XP Professional Japanese Version	8
	Windows XP Professional English Standard Version x64 Edition	N/A
	Windows 2000 Professional English Version V5.00.2195 Service Pack 4	N/A
	Windows 2000 Professional Simplified-Chinese Version	N/A
	Windows 2000 Professional Japanese Version	N/A
	Windows 2000 Server English Version	N/A
	Windows 98SE English Version V4.10.2222A	N/A
	MS-DOS 6.22	N/A
Power Supply	ATX Power	N/A
	AT Power	N/A
	FSP FSP120-AAB AC Power Adapter ,input voltage range 100V~240V (DC Output: 19V)	1,2,3,4,5,6,7,8,9,10

Test Result for Certification

1. Power On and Reset Test

Test Method	Test Condition	Result		
		Pass	Fail	N/A
Power On/Off Test in DOS Mode-100V Power Function Test	10 times in Room Temperature	X		
Power On/Off Test in DOS Mode-210V Power Function Test	10 times in Room Temperature	X		
KB Reset in Dos Mode-110V Power Function Test	20 times in Room Temperature	X		
Hardware Reset in Dos Mode-110V Power Function Test	20 times in Room Temperature	X		

2. 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
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
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 Voltage Selection			X
COM1-Ring/5V/12V Selection (JP5)	X		
COM2-Ring/5V/12V Selection			X
COM2 RS-232/422/485 Selectio			X
COM3-Ring/5V/12V Selection (JP3)	X		
COM4-Ring/5V/12V Selection (JP4)	X		
Clear CMOS (JP6)	X		
USB1,2 Power Select (J2)	X		
USB3,4 Power Select (J3)	X		
FAN Power Select (JP1)	X		
PS2 Keyboard/Mouse Select (JP2)	X		
LVDS Power Select (JP7)	X		
CF slot Master/Slave Select (JP8)	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(9~30V)	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
-------------	--	--	---

3. Power Consumption Test (Run Prime95 Program)

Platform Information

PCB Model / Version	BOXER AEC-6915 A0.2 (MB COM-915 Rev. B1.0)
BIOS	AEC-6915 BIOS Rev 0.5 (06/05/2007)
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CPU	Intel Pentium M 760 2.0GHz / Intel Celeron M 370 1.5GHz
Memory	Apacer DDRII 533 MHz 512MB (ELPIDA E5108AG-6E-E)
Primary IDE Master	N/A
Primary IDE Slave	TEAC TCJ-DV-28SL (B) DVD-ROM
SATA Port 1 Device	Fujitsu 2.5" MHW2060BH 60GB
SATA Port 2 Device	N/A
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash (Wide Temp.)	N/A
Backplane	N/A
Riser Card	1907R14P00 A0.1
Daughter Board	N/A
Inverter	N/A
Touch Panel	N/A
Chipset Software	Intel(R) Chipset Software Installation Utility 8.1.1.1001
Onboard VGA Chipset / Driver Version	Mobile Intel(R) 915GM/GMS,910GML Express Chipset Family 6.14.10.4704 (10/06/2006)
Onboard LAN Chipset / Driver Version	Intel(R) PRO/1000 PL Network Connection 9.5.12.0 (07/26/2006)
Onboard Audio Chipset / Driver Version	Realtek AC'97 Audio 5.10.0.6060 (03/31/2006)
Adapter	FSP FSP120-AAB AC Power Adapter ,input voltage range 100V~240V (DC Output: 19V)

Test	DC Power Supply: INSTEK PSH-3630				AT Power: N/A				Note
	CPU: Pentium M 760 2.0GHz		CPU: Celeron M 370 1.5GHz		CPU:N/A		CPU:N/A		
Environment Model	English Windows XP Pro				N/A				
Os Environment	4.38	A	3.66	A	A		A		
Normal Mode (+9V)	0.18	A	0.18	A	A		A		Suspend to Windows (S3)
Suspend Mode (+9V)									

Normal Mode (+12V)	4.09	A	2.79	A		A		A	
Suspend Mode (+12V)	0.18	A	0.17	A		A		A	Suspend to Windows (S3)
Normal Mode (+24V)	1.96	A	1.49	A		A		A	
Suspend Mode (+24V)	0.17	A	0.17	A		A		A	Suspend to Windows (S3)
Normal Mode (+30V)	1.52	A	1.23	A		A		A	
Suspend Mode (+30V)	0.18	A	0.16	A		A		A	Suspend to Windows (S3)

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

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
5V Only - Power On/Off for 10 times in DOS			X

5. 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		
	255 sec	X		

6. 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	1000	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		

7. Hardware Compatibility

CPU Compatible Test							
CPU Type	FSB	Prime95 Version	Result				
			Pass	Fail	N/A		
Intel Celerom M 370 1.5GHz		V2414	X				
Intel Pentium M 760 2.0GHz		V2414	X				
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
APACER 512MB	ELPIDA E5108AGBG-6E-E	533	512M	V1.65	X		
Transcend SODIMM DDR2	Hynix HY5PS121621C FP-Y5	667	512	V1.65	X		
Kingston KVR533D2S4/256	Kingston D3216TLAKL37U V0463103MDAPC	533	256	V1.65	X		
Kingmax KSBD48F-A8KB4	Kingmax KKEA88B4iaug-37DA	533	1G	V1.65	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		
					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	
CECUBE GC-R9250PCI-D3 (ATI REDEON9250 256MB)	VGA Card	X			
CHAINTECH NVIDIA GeForce4 MX440-8X	VGA Card	X			
CREATIVE Sound BLASTER Live5.1	Sound Card	X			
ADAPTEC Ultra160 SCSI ASC-29160	SCSI Card	X			
IVC-200 V1.2 (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			
PCI Slot Full Function Test					
Model	Type	Result			

		Pass	Fail	N/A
IVC-200 V1.2 (with Age STD-477FAI CCD) (PCI 1)	Sound Card	X		
D-Link DWL-520+ Wireless LAN (PCI 2)	LAN Card	X		
ADAPTEC Ultra160 SCSI ASC-29160 (PCI 3)	Capture Card	X		
ADAPTEC 1420SA RoHS 4-Port SATA II RAID (PCI 4)	SCSI 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 x16 VGA Card				X
WinFast PX6200 TC TDH PCI-Express x16 VGA Card				X
HDD Compatibility Test				
	Model	Result		
		Pass	Fail	N/A
FUJITSU / MHW2060BH / 60GB / SATA		X		
Seagate / ST98823AS / 80GB / SATA		X		
CD/DVD-ROM Compatibility Test				
	Model	Result		
		Pass	Fail	N/A
TEAC CD-ROM CD-540E 40X				X
BenQ DW1655 OB2 16 x DVD ReWriter				X
Acer DVP1640A / 16X / DVD-ROM / ATA33				X
Pioneer / DVR-A11FXC1 / 8X DVD-RW / 6X DVD-RW / ATA66				X
Pioneer / DVD-126D / 16X / DVD-ROM / ATA66				X
Pioneer / DVD-121 / 16X / DVD-ROM / ATA66				X
SAMSUNG / SH-W08 / DVD+R 8X / DVD-R 8X / CD-R 32X / ATA33				X
IBM HL-DT-ST / GCR 8480B-48X / CD-ROM ATA33				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
USB2.0 DRW-1604P-D/WHT/G/ASUS	X		
USB HDD USB 2.0 HDD Box	X		
ATEN USB 2.0 4 Port UH-204	X		
ADATA Flash Disk 512MB	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
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:			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 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		
COM Port Burn In Test (30 Cycle)			Pass	Fail	N/A
			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

8. O.S. Compatibility Test

Installation Operation System Compatibility Test		Result			
		Pass	Fail	N/A	
[] Linux-RedHat 9.0 or [] Fedora Core 4.0 [X] 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- Fedora Core 5.0	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	Chipset Software				X
	Graphics Media				X

Standard Edition 5.2.3790	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	Intel(R) Chipset Software Installation Utility 8.1.1.1001	X		
	Graphics Media	Mobile Intel(R) 915GM/ GMS,910GML Express Chipset Family 6.14.10.4704 (10/6/2006)	X		
	LAN Driver	Intel(R) PRO/1000 PL Network Connection 9.5.12.0 (7/26/2006)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.6060 (3/31/2006)	X		
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	Chipset Software	Intel(R) Chipset Software Installation Utility 8.1.1.1001	X		
	Graphics Media	Mobile Intel(R) 915GM/ GMS,910GML Express Chipset Family 6.14.10.4704 (10/6/2006)	X		
	LAN Driver	Intel(R) PRO/1000 PL Network Connection 9.5.12.0 (7/26/2006)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.6060 (3/31/2006)	X		
Windows XP Professional Japanese Version V2002 Service Pack 2	System	Intel(R) Chipset Software Installation Utility 8.1.1.1001	X		
	Graphics Media	Mobile Intel(R) 915GM/ GMS,910GML Express Chipset Family 6.14.10.4704 (10/6/2006)	X		
	LAN Driver	Intel(R) PRO/1000 PL Network Connection 9.5.12.0 (7/26/2006)	X		
	Audio Driver	Realtek AC'97 Audio 5.10.0.6060 (3/31/2006)	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 English Version	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

9. 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 (Wake on LAN)	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 (CRT only)	X		
TV Standard Function Test			X
Init Display First Function Test (PCI slot)	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		

10. Performance Test

Platform Information

Item	Device Information
PCB Model / Version	BOXER AEC-6915 A0.2 (MB COM-915 Rev. B1.0)
BIOS / Version	AEC-6915 BIOS Rev 0.5 (06/05/2007)
CPU Type	Intel Pentium M 760 2.0GHz
Memory Type	Apacer DDRII 533 MHz 512MB (ELPIDA E5108AG-6E-E)
Primary IDE Master	N/A
Primary IDE Slave	TEAC TCJ-DV-28SL (B) DVD-ROM
SATA Port 1 Device	Fujitsu MHW2060BH 60GB
SATA Port 2 Device	N/A
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	1907R14P00 A0.1
Operating System	Windows XP Professional English Version V2002 Service Pack 2
Power Supply	FSP FSP120-AAB AC Power Adapter ,input voltage range 100V~240V (DC Output: 19V)

Test result:

Testing Software	Result	Unit
ZD WinBench 99 V2.0		
Business Disk WinMark99	5720	Thousand bytes/sec
High-End Disk WinMark99	19800	Thousand bytes/sec
Business Graphics WinMark99	371	
High-End Graphics WinMark99	1230	
Final Reality V1.01—BenchMark Test		
2D image	37.93	
3D	6.69	
Bus transfer	72.72	
Overall	25.97	Reality marks
PC Mark 2002 (for CPU Performance)		
CPU	6805	
HDD	11880	
Memory	925	
ZD 3D Winbench 2000 V1.1		
3D WinMark 2000	4514	Frames / sec

3Dmark2001SE Pro (Demo version)		
3DMark2001SE Build 330_Benchmark mode	115	
ZD Multimedia Content Creation Winstone 2004 V1.0.1 (Up Pentium III 800 MHZ CPU)		
Multimedia Content Creation Winstone 2004	26.7	
Business Winstone 2004 v1.0.1 (Up Pentium III 800 MHZ CPU)		
Business Winstone2004	16.8	

It must be run "3D Quality" item before run 3D WinMark 2000 benchmark software.