

QE 【Mainboard】

P5 Verification Test Report

Release No :07P010018

Product Model	AEC-6845
Description	AEC-6845 Fan less Embedded Controller
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> Model name: AEC-6845 A1.0 <input checked="" type="checkbox"/> PCB : Gene-6350 A1.1 <input checked="" type="checkbox"/> BIOS : AEC-6845 BIOS Rev:1.0 (08/15/2007) <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> CPU Type : Intel Ultra Low Voltage Celeron (R) 650MHz CPU <input checked="" type="checkbox"/> North Bridge : VIA CLE 266(VT8623) <input checked="" type="checkbox"/> South Bridge : VIA VT8235 <input checked="" type="checkbox"/> VGA Chipset : VIA /S3G Unichrome Graphics <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC650 <input checked="" type="checkbox"/> Ethernet Chipset : Realtek RTL 8139 10/100MB Chip <input checked="" type="checkbox"/> I/O Chipset : Winbond W83697UG <input checked="" type="checkbox"/> Remark : AEC-6845 A1.0 for P5 Report
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2007/12/05

Issue date

Wenyuan Yang

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-6845 A1.0 (Gene-6350 A1.1)
BIOS / Version	AEC-6845 BIOS Rev:1.0 (08/15/2007)
CPU Type	Intel Ultra Low Voltage Celeron (R) 650MHz CPU
Memory Type	KINGMAX 512MB DDR2 533MHz
SATA HDD	N/A
Primary IDE Master	Maxtor VAM51JJ0 ATA133 40GB
Primary IDE Slave	TEAC / CD-540E / 40X
CRT	ViewSonic E70
LCD	N/A
Compact Flash	N/A
Riser Card	N/A
Backplane	N/A
Operating System	[X] Linux-RedHat 9.0 or [] Fedora Core 4.0 [] Fedora Core 6.0
	Windows XP Professional English Version V2002 Service Pack 2
	Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2
	Windows XP Professional Japanese Version V2002 Service Pack 2
	Windows 2000 Professional English Version V5.00.2195 Service Pack4
	Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4
	Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4
Power Supply	ATX Power : N/A
	AT Power : N/A

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 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	
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			Sandisk 256MB
Compact Flash – Type II			X	HITACHI/HMS360402D5CF00/2G
DOC (Disk On Chip)			X	
DOM (Disk On Module) – 40 Pin			X	Type: DOM-256-026P
DOM (Disk On Module) – 44 Pin	X			Type: DOM-064-426P
COM 1	X			
COM 2-232	X			
COM 2-422	X			
COM 2-485	X			ICP CON I-7044D D/I/O Module
COM 2-Ring /+5V /+12V			X	
COM 3	X			
COM 4	X			
COM 5-422-485	X			
COM 6-422-485	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 Ports			X	
USB 6 Ports			X	
USB 2.0 1 & 2 Ports	X			
USB 2.0 3 & 4 Ports	X			
USB 2.0 5 Ports			X	
USB 2.0 6 Ports			X	
DVI Function			X	
DIO Connector	X			
Card Bus			X	

3. Power Consumption Test (Run Prime95 Program)

Platform Information

PCB Model / Version	AEC-6845 A1.0 (M/B Gene-6350 A1.1)
BIOS	AEC-6845 BIOS Rev:1.01 (07/05/2007)
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CPU	Intel Ultra Low Voltage Celeron (R) 650MHz CPU
Memory	DSL DDR333 512MB
SATA HDD	N/A
Primary IDE Master	Fujitsu 2.5" MHV2040AC 40GB
Primary IDE Slave	TEAC TCJ-DV-28SL DVD-ROM
CRT	ViewSonic E653
LCD	N/A
Compact Flash	N/A
Power Supply	N/A

Environment Model	Instek PSH3630 Power Supply		AT Power: N/A		Note
	CPU: Intel Ultra Low Voltage Celeron (R) 650MHz CPU	CPU: Intel Ultra Low Voltage Celeron (R) 400MHZ	CPU:N/A	CPU:N/A	
Os Environment	Windows XP Professional English Version V2002 Service Pack 2		N/A		
Normal Mode (+9V)	2.14	1.71	A	A	
Suspend Mode (+9V)	1.22	1.08	A	A	
Normal Mode (+12V)	1.61	1.20	A	A	
Suspend Mode (+12V)	0.95	0.84	A	A	
Normal Mode (+24V)	0.87	0.63	A	A	
Suspend Mode (+24V)	0.50	0.44	A	A	
Normal Mode (+30V)	0.70	0.50	A	A	
Suspend Mode (+30V)	0.41	0.36	A	A	

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	±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		

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	100M	X		
		D-Link DGS-1008T	100M	1GBps	100M	X		
		D-Link DES-1316 PoE Switch	100M	100 MBps	100M	X		
		Intel InBusiness 8 Port	100M	100 MBps	100M	X		
		Accton DeskTop-3005	100M	100 MBps	100M	X		
		SVEC FD916H (10 Mbps HUB)	100M	10 MBps	10M	X		

7. Hardware Compatibility

CPU Compatible Test							
CPU Type		FSB	Prime95 Version	Result			
				Pass	Fail	N/A	
Intel Ultra Low Voltage Celeron (R) 650MHz CPU		100	V2414	X			
			V2414			X	
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
DSL	DDR333 ELPIDA D5116AFTA-6B-E	166	512	V1.65	X		
				V1.65			X
				V1.65			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
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
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

	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
Maxtor /Fireball 3 / 40GB / ATA-133	X		
Western / WD800JB / 40GB / ATA-100	X		
FUJITSU / MPE 3136AH / 13.6GB / ATA-66			X
Seagate / ST340014A / 40GB / Barracuda 7200.7			X
Seagate / ST3160812A / 160GB/ATA100	X		
Quantum / Fireball Plug AS / 30GB / ATA-100			X
Seagate / ST380013A / 80GB / ATA-100			X
Western Digital/WD400BB-75DEA0 / 40GB / ATA-100			X
Western Digital/WD8800JD-00LSA0 / 80GB / ATA-100/SATA			X
CD-ROM/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	
BENQ 4824WI-ON2		X			
Mitsumi FLL3.5 D353GUE/FUE		X			
USB HDD 20GB		X			
USB Card Reader		X			
USB Mouse		X			
USB Thumb drive Transcend 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		Result			
		Pass	Fail	N/A	
Input Address: 280		X			
Output Address: 280		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	
		Pass	Fail	N/A	
PC/104		AAEON PCM-5600		Modem Module	
		AAEON PCM-3115B		PCMCIA Module	
PC/104+		AAEON PCM-3430		SCSI Module	

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 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
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
MSM-4S Mini-PCI 4-port RS-232/422/485 Module		COM	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	
[X] Linux-RedHat 9.0 or [] Fedora Core 4.0 [] 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	Default 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 XP Professional English Version V2002 Service Pack 2	Chipset Software	VIA Service Pack 4.56v	X		
	Graphics Media	VIA/S3G UniChrome IGP Ver:6.14.10.211 2/24/2005	X		
	LAN Driver	Realtek RTL8139/810x Family Fast Ethernet NIC Ver: 5.621.304.2005 (3/14/2005)	X		
	Audio Driver	Realtek AC'97 Audio for VIA(R) Audio Controller Ver:5.10.0.5820(3/25/2005)	X		
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	System	VIA Service Pack 4.56v	X		
	Graphics Media	VIA/S3G UniChrome IGP Ver:6.14.10.211 2/24/2005	X		
	LAN Driver	Realtek RTL8139/810x Family Fast Ethernet NIC Ver: 5.621.304.2005 (4/18/2005)	X		
	Audio Driver	Realtek AC'97 Audio for VIA(R) Audio Controller Ver:5.10.0.5820(3/25/2005)	X		
Windows XP Professional Japanese Version V2002 Service Pack 2	System	VIA Service Pack 4.56v	X		
	Graphics Media	VIA/S3G UniChrome IGP Ver:6.14.10.211 2/24/2005	X		
	LAN Driver	Realtek RTL8139/810x Family Fast Ethernet NIC Ver: 5.621.304.2005 (4/18/2005)	X		
	Audio Driver	Realtek AC'97 Audio for VIA(R) Audio Controller Ver:5.10.0.5820(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	Chipset Software	VIA Service Pack 4.56v	X		

Version V5.00.2195 Service Pack 4	Graphics Media	VIA/S3G UniChrome IGP Ver:6.14.10.211 2/24/2005	X		
	LAN Driver	Realtek RTL8139/810x Family Fast Ethernet NIC Ver: 5.621.304.2005 (3/4/2005)	X		
	Audio Driver	Realtek AC'97 Audio for VIA(R) Audio Controller Ver:5.10.0.5820(3/25/2005)	X		
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4	Chipset Software	VIA Service Pack 4.56v	X		
	Graphics Media	VIA/S3G UniChrome IGP Ver:6.14.10.211 2/24/2005	X		
	LAN Driver	Realtek RTL8139/810x Family Fast Ethernet NIC Ver: 5.621.304.2005 (3/4/2005)	X		
	Audio Driver	Realtek AC'97 Audio for VIA(R) Audio Controller Ver:5.10.0.5820(3/25/2005)	X		
Windows 2000 Professional Japanese Version V5.00.2195 Service Pack4	Chipset Software	VIA Service Pack 4.56v	X		
	Graphics Media	VIA/S3G UniChrome IGP Ver:6.14.10.211 2/24/2005	X		
	LAN Driver	Realtek RTL8139/810x Family Fast Ethernet NIC Ver: 5.621.304.2005 (3/4/2005)	X		
	Audio Driver	Realtek AC'97 Audio for VIA(R) Audio Controller Ver:5.10.0.5820(3/25/2005)	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			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		
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	AEC-6845 A1.0 (M/B Gene-6350 A1.1)
BIOS / Version	AEC-6845 BIOS Rev:1.01 (07/05/2007)
CPU Type	Intel Ultra Low Voltage Celeron (R) 650MHz CPU
Memory Type	DSL DDR333 512MB
Primary IDE Master	Fujitsu 2.5" MHV2040AC 40GB
Primary IDE Slave	TEAC TCJ-DV-28SL DVD-ROM
CRT	ViewSonic E653
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Operating System	Windows XP Professional English Version V2002 Service Pack 2
Power Supply	N/A

Test result:

ZD WinBench 99 V2.0	Result	Unit
Business Disk WinMark99	6052	Thousand bytes/sec
High-End Disk WinMark99	22100	Thousand bytes/sec
Business Graphics WinMark99	113	
High-End Graphics WinMark99	376	
Final Reality V1.01—BenchMark Test (Reality Marks)		
2D Image	7.68	
3D	4.22	
Bus transfer	6.99	
Overall	5.68	Reality marks
ZD 3D Winbench 2000 V1.1		
3D WinMark 2000	13.8	Frames / sec
3Dmark2001SE Pro (Demo version)		
3DMark2001SE Build 330_Benchmark mode	528	
Business Winstone 2004 v1.0.1		
Business Winstone2004	N/A	