

QE 【Mainboard】

P5 Verification Test Plan

Release No :08E010002

Product Model	ETX-700
Description	AMD LX-800 + CS5536 ETX Board
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : ETX-700 B1.0 <input checked="" type="checkbox"/> BIOS : ETX-700 BIOS Rev:B1.0 (11/19/2007) <input checked="" type="checkbox"/> Carrier Board : ECB-901A 1.0-A <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : AMD CS5536AD <input checked="" type="checkbox"/> South Bridge : ITE IT 8888G/DX-L <input checked="" type="checkbox"/> VGA Chipset : AMD CS5536AD <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC203 <input checked="" type="checkbox"/> Ethernet Chipset : Realtek RTL 8319DL(M) 10/100 Base-TX <input checked="" type="checkbox"/> I/O Chipset : Winbond W83627HG-AW <input checked="" type="checkbox"/> Remark : QE NPDP P5 Test Report for ETX-700B
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2008/01/18

Issue date

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Manager

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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
PCB Model / Version	ETX-700 B1.0	1,2,3,4,5,6,7,8
BIOS / Version	ETX-700 BIOS RevB 1.0 (11/19/2007)	1,2,3,4,5,6,7,8
CPU Type	Onboard AMD LX 800 500MHz	1,2,3,4,5,6,7,8
Memory Type	DSL DDR333 1GB (K4H510838D)	1,2,3,4,5,6,7,8
SATA HDD	N/A	N/A
Primary IDE Master	Seagate ST3160815A 160GB	1,2,3,4,5,6,7,8
Primary IDE Slave	TEAC / CD-540E / 40X	1,2,3,4,5,6,7,8
CRT	ViewSonic E70	1,2,3,4,5,6,7,8
LCD	N/A	N/A
Compact Flash	N/A	N/A
Riser Card	N/A	N/A
Carrier Board	ECB-901A 1.0-A	1,2,3,4,5,6,7,8
Operating System	[X] Linux-RedHat 9.0 or [] Fedora Core 4.0 [] Fedora Core 6.0	7
	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 2	1,3,4,6,7,8
	Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	7
	Windows XP Professional Japanese Version V2002 Service Pack 2	7
	Windows XP Professional English Version /Standard x64 Edition	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 : Seventeam / ST-300BLP/300W	1,2,3,4,5,6,7,8
	AT Power : ZECK ZKS-300W	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		
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 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 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
ISA Function		Result		
		Pass	Fail	N/A
ISA Slot		X		

2. Power Consumption Test (Run Prime95 Program)

Platform Information

PCB Model / Version	ETX-700 B1.0
BIOS	ETX-700 BIOS RevB 1.0 (11/19/2007)
Operating System	Windows XP Professional V2002 Service Pack 2
CPU	AMD LX-800 500MHz
Memory	DSL DDR333 1GB (K4H510838D)
SATA HDD	N/A
Primary IDE Master	Seagate ST3160815A 160GB
Primary IDE Slave	TEAC CD-540 1.0A
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Carrier Board	ECB-901A 1.0-A
Chipset Software	Geode LX AES Crypto Driver Ver:2.1.0.0 (10/28/2005)
Graphics Media	Advanced Micro Devices WinXP Graphics Driver Ver:3.0.2.0 (11/22/2005)
LAN Driver	Realtek RTL8139 Family PCI Fast Ethernet NIC Ver:5.398.613.2003(07/01/2001)
Audio Driver	Geode LX Audio Driver(WDM) Ver:2.3.0.0(3/17/2006)
Touchscreen Driver	N/A
Power Supply	ATX: Seventeam ST-300BLP AT: ZECK ZKS-300W

Test Environment Model	ATX Power:Seventeam ST-300BLP CPU:AMD LX-800 500MHz		AT Power:ZECK ZKS-300W CPU: AMD LX-800 500MH		Note
	Windows XP SP2 English ACPI		Windows XP SP2 English APM		
OS Environment					
Normal Mode (+5V)	1.78	A	2.25	A	
Suspend Mode (+5V)	1.01	A	N/A	A	
5VSB in Power Off Mode (just for ATX)	0.10	A	-----	A	
5VSB in Power On Mode (just for ATX)	0	A	-----	A	
Normal Mode (+12V)	0.24	A	0.28	A	
Suspend Mode (+12V)	0	A	N/A	A	
Normal Mode (+3.3V) (just for ATX)	0.12	A	-----	A	
Suspend Mode (+3.3V) (just for ATX)	0.09	A	-----	A	
Normal Mode (-12V)	0	A	0	A	
Suspend Mode (-12V)	0	A	0	A	
Normal Mode (-5V)	0	A	0	A	
Suspend Mode (-5V)	0	A	0	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		
	60 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
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		

5. Hardware Compatibility

CPU Compatible Test								
CPU Type			FSB	Prime95 Version		Result		
						Pass	Fail	N/A
AMD Geode-LX 500MHz			333	V2414		X		
Memory Compatibility Test								
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result			
Transcend	HY5DU121622BT-J	333	512	V1.65	Pass	Fail	N/A	
Transcend	K4H510838D-UCCC	400	512	V1.65	X			
DSL	K4H510838D	333	1024	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		
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

Intel EtherExpress PRO/100 LAN Adapter	X		
NE2000 Compatible ISAPNP Ethernet Adapter	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 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		
SONY USB Flash Disk 256MB	X		
USB HDD 20GB	X		
Kingston USB Flash Disk 256MB	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
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 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	

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 checked="" type="checkbox"/>] Linux-RedHat 9.0 or [<input type="checkbox"/>] Fedora Core 4.0 [<input type="checkbox"/>] 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	Geode LX AES Crypto Driver Ver:2.1.0.0 (10/28/2005)	X		
	Graphics Media	Advanced Micro Devices WinXP Graphics Driver Ver:3.0.2.0 (11/22/2005)	X		
	LAN Driver	Realtek RTL8139 Family PCI Fast Ethernet NIC Ver:5.398.613.2003(07/01/2001)	X		
	Audio Driver	Geode LX Audio Driver(WDM) Ver:2.3.0.0(3/17/2006)	X		
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	System	Geode LX AES Crypto Driver Ver:2.1.0.0 (10/28/2005)	X		
	Graphics Media	Advanced Micro Devices WinXP Graphics Driver Ver:3.0.2.0 (11/22/2005)	X		
	LAN Driver	Realtek RTL8139 Family PCI Fast Ethernet NIC Ver:5.398.613.2003(07/01/2001)	X		
	Audio Driver	Geode LX Audio Driver(WDM) Ver:2.3.0.0(3/17/2006)	X		
Windows XP Professional Japanese Version V2002 Service Pack 2	System	Geode LX AES Crypto Driver Ver:2.1.0.0 (10/28/2005)	X		
	Graphics Media	Advanced Micro Devices WinXP Graphics Driver Ver:3.0.2.0 (11/22/2005)	X		
	LAN Driver	Realtek RTL8139 Family PCI Fast Ethernet NIC Ver:5.398.613.2003(07/01/2001)	X		
	Audio Driver	Geode LX Audio Driver(WDM) Ver:2.3.0.0(3/17/2006)	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

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 / 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

PCB Model / Version	ETX-700 B1.0
BIOS	ETX-700 BIOS RevB 1.0 (11/19/2007)
Operating System	Windows XP Professional V2002 Service Pack 2
CPU	AMD LX-800 500MHz
Memory	DSL DDR333 1GB (K4H510838D)
SATA HDD	N/A
Primary IDE Master	Seagate ST3160815A 160GB
Primary IDE Slave	TEAC CD-540 1.0A
CRT	ViewSonic E70 17"
LCD	N/A
Carrier Board	ECB-901A 1.0-A
Chipset Software	Geode LX AES Crypto Driver Ver:2.1.0.0 (10/28/2005)
Graphics Media	Advanced Micro Devices WinXP Graphics Driver Ver:3.0.2.0 (11/22/2005)
LAN Driver	Realtek RTL8139 Family PCI Fast Ethernet NIC Ver:5.398.613.2003(07/01/2001)
Audio Driver	Geode LX Audio Driver(WDM) Ver:2.3.0.0(3/17/2006)
Touchscreen Driver	N/A
Power Supply	ATX: Seventeam ST-300BLP

Test result:

ZD WinBench 99 V2.0	Result	Unit
Business Disk WinMark99	5880	Thousand bytes/sec
High-End Disk WinMark99	19500	Thousand bytes/sec
Business Graphics WinMark99	105	
High-End Graphics WinMark99	290	
PCMark2002		
CPU	594	
Memory	1583	
HDD	786	
Final Reality V1.01—BenchMark Test (Reality Marks)		
2D Image	3.79	
3D	0.47	
Bus transfer	7.82	
Overall	2.57	Reality marks
ZD 3D Winbench 2000 V1.1		
3D WinMark 2000	N/A	Frames / sec
3Dmark2001SE Pro (Demo version)		
3DMark2001SE Build 330_Benchmark mode	N/A	
Business Winstone 2004 v1.0.1		
Business Winstone2004	N/A	