

P5 Verification Test Plan

Release No : 08E010026

Product No	PFM-540I
Description	AMD LX800 + CS5536 PC/104 Board
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> CPU Board : PFM-540I B1.0 <input checked="" type="checkbox"/> BIOS : PFM-540I BIOS Rev B 1.0 (05/20/2008) <input checked="" type="checkbox"/> Carrier Board : N/A <input checked="" type="checkbox"/> Expansion Board : N/A <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> CPU : Onboard CPU AMD Geode LX 800 500MHz CPU <input checked="" type="checkbox"/> North Bridge : AMD LX800 <input checked="" type="checkbox"/> South Bridge : AMD CS5536 <input checked="" type="checkbox"/> VGA Chipset : AMD LX800 <input checked="" type="checkbox"/> Audio Chipset : N/A <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82551ER 10/100 Mbps Chip <input checked="" type="checkbox"/> I/O Chipset : SMSC SCH3114 <input checked="" type="checkbox"/> TV Chipset : N/A <input checked="" type="checkbox"/> SDVO : N/A <input checked="" type="checkbox"/> Remark : QE P5 Report for PFM-540I B1.0
Test Result Summary	
<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input checked="" type="checkbox"/> Pass with Deviation Comment: <u>Please confirm defect No. E071118QEE03, PM/Tony will by pass this 640x480 TTL LCD issue.</u>	

2008/07/03

Issue date

Wenyuan Yang

Manager

Eva Yeh

Test Engineer

Summary Table of contents :

Summary Table of contents	2
Platform Information	3
1. I/O Peripheral Function Test	4
2. Power Consumption Test	6
3. Timer Accuracy Test	7
4. Network HUB / LAN Connection Test	7
5. Hardware compatibility	8
6. O.S. Compatibility Test	13
7. BIOS Function Test	15
8. Performance Test	16

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	PFM-540I B1.0	1,2,3,4,5,6,7,8
Carrier Board	N/A	N/A
BIOS / Version	PFM-540I BIOS Rev B 1.0 (05/20/2008)	1,2,3,4,5,6,7,8
CPU Type	Onboard CPU AMD Geode LX 800 500MHz CPU	1,2,3,4,5,6,7,8
Memory Type	ATP AT28L64X8BFB3S SODIMM 1GB(SAMSUNG K4H510838D-ZCCC)	1,2,3,4,5,6,7,8
SATA	N/A	N/A
Primary IDE Master	Seagate ST380013A 80GB	1,2,3,4,5,6,7,8
Primary IDE Slave	ASUS DVD-E818A DVD-ROM	1,2,3,4,5,6,7,8
CRT	ViewSonic E70 17"	1,2,3,4,5,6,7,8
LCD	N/A	N/A
Compact Flash	N/A	N/A
Backplane	N/A	N/A
Riser Card	N/A	N/A
Expansion Board	N/A	N/A
Operating System	[<input type="checkbox"/>] Linux-RedHat 9.0 or [<input checked="" type="checkbox"/>] Fedora Core 4	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	1,2,3,4,5,6,7,8
	Windows XP Professional English Version /Standard x64 Edition	N/A
	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
Power Supply	MS-DOS 6.22 English Version	N/A
	ATX Power Supply :	N/A
	AT Power Supply: EMACS SP2-4300F	1,2,3,4,5,6,7,8
	DC Adapter :	N/A

Test Result for Certification

1. 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	
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	Transcend / TS512MDOM40V / 512MB / IDE 40 Pin
DOM (Disk On Module) – 44 Pin	X			Transcend / TS512MDOM44V / 512MB / IDE 44 Pin
COM 1-232	X			
COM 2-232	X			
COM 3-232	X			
COM 4-232	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 5.1 Channel / S/P DIF			X	
LPT 1	X			
IrDA / 115.2 Kbps	X			
FIR / 4M bps			X	
USB 1/2 Ports	X			
USB 3/4 Ports	X			
USB 2.0 1/2 Ports	X			
USB 2.0 3/4 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 – 4/5 Wire			X	
DIMM Slots	X			
Watchdog IRQ n	X			
Watchdog Software Control	X			
FAN1 Connector			X	
FAN2 Connector			X	
Express card			X	
Speaker Connector			X	
LCD Backlight Power Connector			X	
DC in Connector			X	
PCI Express Mini Card			X	
Power Button			X	
Battery Connector	X			
Front Panel	Result			Notes
	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			Notes
	Pass	Fail	N/A	
BIOS write protection Selection and boot Selection			X	
Backlight enable level Selection and LVDS Power Selection			X	
COM1 +5V/RING Selection	X			
COM2 +5V/RING Selection	X			
Auto Power button Selection and power on selection			X	
Power source selection			X	
FAN Power Selection			X	
CMOS Clear Selection	X			
LCD Brightness and speaker level Selection			X	
Power Connector & Function	Result			Notes
	Pass	Fail	N/A	
Standard AT Power Connector			X	
Standard ATX Power Connector			X	
5V Only Power Connector	X			
DC Adapter			X	
LAN Connector & Function	Result			Notes
	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			Notes
	Pass	Fail	N/A	
Mini PCI Slot			X	
PCI Slot			X	
PCI Express x1			X	
Express card			X	

2. Power Consumption Test (Run Prime95 Program)

Platform Information

CPU Board	PFM-540I B1.0
Carrier Board	N/A
BIOS	PFM-540I BIOS Rev B 0.7 (02/17/2008)
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
Chipset Software	N/A
Graphics Media	Advanced Micro Devices WinXP Graphics Driver Ver:3.0.2.0 (11/22/2005)
AES Driver	Geode LX AES Crypto Driver Ver:2.1.0.0 (10/28/2005)
PCI to ISA Bridge	ITE8888 PCI to ISA bridge
LAN Driver	Intel(R) 8255xER PCI Adapter 1.0.0.1(5/27/1999)
Audio Driver	N/A
Touchscreen Driver	N/A
Power Supply	ZECK ZKS-300W

Test			
Environment	ATX Power: N/A	AT Power: ZECK ZKS-300W	Note
Model			
CPU	AMD Geode LX 800 500MHz CPU		
HDD	WD WD800BB-22JHC0 80GB		
RAM	ATP AT28L64X8BFB3S SODIMM 1GB (SAMSUNG K4H510838D-ZCCC)		

OS Environment		Windows XP Professional English Version V2002 Service Pack 2	
Normal Mode (+5V)	A	1.65	A
Suspend Mode (+5V)	A	N/A	A
5VSB in Power Off Mode (just for ATX)	A	-----	A
5VSB in Power On Mode (just for ATX)	A	-----	A
Normal Mode (+12V)	A	N/A	A
Suspend Mode (+12V)	A	N/A	A
Normal Mode (+3.3V) (just for ATX)	A	-----	A
Suspend Mode (+3.3V) (just for ATX)	A	-----	A
Normal Mode (-12V)	A	N/A	A
Suspend Mode (-12V)	A	N/A	A
Normal Mode (-5V)	A	N/A	A
Suspend Mode (-5V)	A	N/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	±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 (Software provided Aaeon by AAЕON,SW Version: CFG.exe ver 2.7)	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 (CN1)	X		
	Link LED			X
	Speed LED (CN1)	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	100	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 CPU AMD Geode LX 800 500MHz CPU			V2414	X			
			V2414				
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Kingston KVR333X64SC25 DDR333 SODIMM 512MB	NANYA NT5DS64M8BS-5T	333	512MB	V1.65	X		
Kingston DDR333 SODIMM 256MB	NANYA NT5DS16M16CT-6K 54937300CP	333	256MB	V1.65	X		
ATP AT28L64X8BFB3S SODIMM 1GB	SAMSUNG K4H510838D-ZCCC	333	1GB	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
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
WD WD800BB-22JHC0 80GB		X		
Seagate ST380013A 80GB		X		
Seagate ST3160815A 160GB		X		
CD/DVD-ROM Compatibility Test				
Model		Result		
		Pass	Fail	N/A
Pioneer DVD-ROM DVD-127A		X		
ASUS DVD-E818A 18X DVD ROM		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 SONY USB2.0 DVD-R/W DRX-830UL		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:				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
PC/104		AAEON PCM-3660		LAN 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		
		Pass	Fail	N/A
COM Port Burn In Test 10mins		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 type="checkbox"/>] Linux-RedHat 9.0 or [<input checked="" 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	N/A			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	N/A			X
	Graphics Media	Advanced Micro Devices WinXP Graphics Driver Ver:3.0.2.0 (11/22/2005)	X		
	AES Driver	Geode LX AES Crypto Driver Ver:2.1.0.0 (10/28/2005)	X		
	PCI to ISA Bridge	ITE8888 PCI to ISA bridge	X		

	LAN Driver	Intel(R) 825xER PCI Adapter 1.0.0.1(5/27/1999)	X		
	Audio Driver	N/A			X
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	System				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X
Windows XP Professional Japanese Version V2002 Service Pack 2	System				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				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			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

CPU Board	PFM-540I B1.0
Carrier Board	N/A
BIOS	PFM-540I BIOS Rev B 1.0 (03/06/2008)
Operating System	English Windows XP Professional Service Pack 2 V2002
CPU	Onboard CPU AMD Geode LX 800 500MHz CPU
Memory	ATPAT28L64X8BFB3S SODIMM 1GB (SAMSUNG K4H510838D-ZCCC)
SATA HDD	N/A
Primary IDE Master	Seagate ST3160815A 160GB
Primary IDE Slave	ASUS DVD-E818A 18X DVD ROM
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Expansion Board	N/A
Chipset Software	N/A
Graphics Media	Advanced Micro Devices WinXP Graphics Driver Ver:3.0.2.0 (11/22/2005)
AES Driver	Geode LX AES Crypto Driver Ver:2.1.0.0 (10/28/2005)
PCI to ISA Bridge	ITE8888 PCI to ISA bridge
LAN Driver	Intel(R) 8255xER PCI Adapter 1.0.0.1(5/27/1999)
Audio Driver	N/A
Touchscreen Driver	N/A
Power Supply	ZECK ZKS-300W

Test result:

Testing Software	Result	Unit
PCMark2002		
CPU	611	
Memory	1716	
HDD	790	
Final Reality V1.01—BenchMark Test		
2D image	4.22	
3D	0.49	
Bus transfer	9.32	
Overall	2.94	Reality marks
3Dmark2001		

3DMark2001SE Build 330_Benchmark mode	N/A	
---------------------------------------	-----	--

ZD WinBench 99 V2.0	Result	Unit
Business Disk WinMark99	N/A	Thousand bytes/sec
High-End Disk WinMark99	N/A	Thousand bytes/sec
Business Graphics WinMark99	N/A	
High-End Graphics WinMark99	N/A	
Final Reality V1.01—BenchMark Test (Reality Marks)		
2D Image	4.22	
3D	0.49	
Bus transfer	9.32	
Overall	2.94	Reality marks
PC Mark 2002		
CPU	611	
Memory	1716	
HDD	790	
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	