

P5 Verification Test Plan

Release No : 08E010021

Product Model	PFM-800P
Description	Intel ULV Celeron M PCI-104 CPU Module
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PFM-800P A1.1 <input checked="" type="checkbox"/> BIOS : PFM-800P BIOS Rev 1.0 (03/07/2008) <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : Intel 852GM <input checked="" type="checkbox"/> South Bridge : Intel 80801DB (ICH4) <input checked="" type="checkbox"/> VGA Chipset : Intel 852GM Integrated VGA <input checked="" type="checkbox"/> Audio Chipset : N/A <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82562ET 10/100Mb Chip <input checked="" type="checkbox"/> I/O Chipset : IT-8712 <input checked="" type="checkbox"/> Remark : QE P5 Report for PCM-800P Rev A1.1
Test Result Summary	
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____	

2008/06/17

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	PFM-800P Rev 1.1	
BIOS / Version	PFM-800P BIOS Rev.1.0 (03/07/2008)	
CPU Type	Onboard Intel ULV Celeron-M 600MHz without fan	
Memory Type	Transcend DDR400 SODIMM SDRAM 1GB (SAMSUNG K4H510838C-ZCCC)	
SATA HDD	N/A	
Primary IDE Master	Seagate ST3160812A 160GB	
Primary IDE Slave	ASUS-DVD E818A BENQ-DVD 1650V	
CRT	ViewSonic E70 17"	
LCD	N/A	
Compact Flash	N/A	
PCI-104	PFM-T800 A1.0	
Backplane	N/A	
Operating System	[X] Linux-RedHat 9.0 or [] Fedora Core 4.0 [] Fedora Core 7.0	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	N/A
	Windows XP Professional Simplified-Chinese Version V2002 Service Pack 3	1,2,3,4,5,6,7,8
	Windows XP Professional Japanese Version V2002 Service Pack 2	N/A
	Windows XP Professional English Version /Standard x64 Edition	N/A
	Windows 2000 Professional English Version V5.00.2195 Service Pack4	1,3,4,5,6,7,8
	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 : N/A	N/A
	AT Power : EMACS SP2-4300F AT Power Supply	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 2.0 1/2 Ports	X		
USB 2.0 3/4 Ports	X		
USB 2.0 5/6 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 (FP1 + FP2)	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
ATX 24 Pin Power Connector			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

2. Power Consumption Test (Run Prime95 Program)

Platform Information

PCB Model / Version	PFM-800P Rev A1.1
BIOS	PFM-800P BIOS Rev.1.0 (03/07/2008)
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CPU	Onboard Intel ULV Celeron-M 600MHz without fan
Memory	Transcend DDR400 SODIMM SDRAM 1GB (SAMSUNG K4H510838C-ZCCC)
SATA HDD	N/A
Primary IDE Master	Seagate ST3160812A 160GB
Primary IDE Slave	ASUS-DVD E818A BENQ-DVD 1650V
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Chipset Software	Intel® Chipset Software Installation Utility 8.1.1.1010
Graphics Media	Intel® 82852/82855 GM/GME Graphics Controller 6.14.10.4497 2/7/2006
LAN Driver	Intel® PRO/100 VE Network Connection 8.0.43.0 10/31/2006
Audio Driver	N/A
Touchscreen Driver	N/A
Power Supply	AT POWER:EMACS SP2-4300F AT Power Supply

Model	Test Environment	AT Power: EMACS SP2-4300F AT Power Supply	Note
		CPU: Onboard Intel® Celeron® M CPU 1.0GHz without fan	
OS Environment	Windows XP SP2		
Normal Mode (+5V)	3.02	A	
Suspend Mode (+5V)	2.17	A	
5VSB in Power Off Mode (just for ATX)	-----	A	
5VSB in Power On Mode (just for ATX)	-----	A	
Normal Mode (+12V)	0.27	A	
Suspend Mode (+12V)	0.26	A	
Normal Mode (+3.3V) (just for ATX)	-----	A	
Suspend Mode (+3.3V) (just for ATX)	-----	A	
Normal Mode (-12V)	0	A	
Suspend Mode (-12V)	0	A	
Normal Mode (-5V)	0	A	
Suspend Mode (-5V)	0	A	

3. 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

4. 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		

5. 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		

6. Hardware Compatibility

CPU Compatible Test							
CPU Type		FSB	Prime95 Version	Result			
				Pass	Fail	N/A	
Onboard Celeron M 600MHz without fan		500	V2414	X			
Memory Compatibility Test							
Memory Brand	Memory Chipset	Frequency	Size	MemTest86 Version	Result		
					Pass	Fail	N/A
Kingston DDR SODIMM	hynix HY5DU121622CTP-D43	333	512Mb	V1.70	X		
Transcend DDR SODIMM	TS32MSD64V3F5 / V58C2256804SCT6	333	256Mb	V1.70	X		
Transcend DDR SODIMM	SAMSUNG K4H510838C-ZCCC	400	1Gb	V1.70	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	5V			X
	AU M201UN02 V.5 / 20.1" / 1600x1200x48bit	5V	X		
	AUO T370HW01 / 37" / 1920x1080 / 48bit	26V			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

Model	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
Seagate ST3160812A 160GB	X		
HITACHI HDS728080PLAT20 82.3GB	X		
Western Digital WD1200JB-00GVA0 120GB	X		
CD/DVD-ROM Compatibility Test			
Model	Result		
	Pass	Fail	N/A
BenQ DW1655 OB2 16 x DVD ReWriter	X		
ASUS-DVD E818A 16x DVD	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
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:				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 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 (Use PCI-104 transform board: MBC-1TM Rev.A1.0)	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 on PFM-T800		X		
COM4 on PFM-T800		X		
COM5 on PFM-T800		X		
COM6 on PFM-T800		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	

7. 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 7.0			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	Use default setting	X		
	Graphics Media	Intel 852GM Integrated VGA	X		
	LAN Driver	Intel 82562ET 10/100Mb Chip	X		
	Audio Driver	Use default setting	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 2	Chipset Software	8.3.1.1009	X		
	Graphics Media	6.14.10.4935	X		
	LAN Driver	9.10.8.0 9.10.8.0	X		
	Audio Driver	N/A			X
Windows XP Professional Simplified-Chinese Version V2002 Service Pack 2	System	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows XP Professional Japanese Version V2002 Service Pack 2	System				X
	Graphics Media				X
	LAN Driver				X

	Audio Driver	N/A			X
Windows XP Professional x64 Edition English Version Service Pack 2 V2002	Chipset Software	N/A			X
	Graphics Media	N/A			X
	LAN Driver	N/A			X
	Audio Driver	N/A			X
Windows 2000 Professional English Version V5.00.2195 Service Pack 4	Chipset Software	8.3.1.1009	X		
	Graphics Media	6.14.10.4820	X		
	LAN Driver	9.8.20.0 9.8.20.0	X		
	Audio Driver	N/A			X
Windows 2000 Professional Simplified-Chinese Version V5.00.2195 Service Pack4	Chipset Software	Intel®ChipsetSoftware Installation Utility 8.1.1.1010	X		
	Graphics Media	Intel®82852/82855GM/GME Graphics Controller 6.14.10.4497 2/7/2006	X		
	LAN Driver	Intel®PRO/100VENetwork Connection 8.0.43.0 10/31/2006	X		
	Audio Driver	N/A			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	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				X
	Graphics Media				X
	LAN Driver				X
	Audio Driver				X

8. 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			
AT Power Management Test	X		
ATX 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		

9. Performance Test

Platform Information

PCB Model / Version	PFM-800P Rev A1.1
BIOS	PFM-800P BIOS Rev.1.0 (03/07/2008)
Operating System	Windows XP Professional V2002 Service Pack 2
CPU	Onboard Intel ULV Celeron-M 600MHz without fan
Memory	Transcend DDR400 SODIMM SDRAM 1GB (SAMSUNG K4H510838C-ZCCC)
SATA HDD	N/A
Primary IDE Master	Seagate ST3160812A 160GB
Primary IDE Slave	N/A
CRT	ViewSonic E70 17"
LCD	N/A
Compact Flash	N/A
Backplane	N/A
Riser Card	N/A
Chipset Software	Intel® Chipset Software Installation Utility
Graphics Media	Intel® 82852/82855 GM/GME Graphics Controller 6.14.10.4497 2/7/2006
LAN Driver	Intel® PRO/100 VE Network Connection 8.0.43.0 10/31/2006
Audio Driver	N/A
Touchscreen Driver	N/A
Power Supply	AT POWER:EMACS SP2-4300F AT Power Supply

Test result:

Final Reality V1.01—BenchMark Test (Reality Marks)		
2D Image	N/A	
3D	N/A	
Bus transfer	N/A	
Overall	N/A	Reality marks
3Dmark2001SE Pro (Demo version)		
3DMark2001SE Build 330_Benchmark mode	1681	
ZD WinBench 99 V2.0		
Business Disk WinMark99	5610 ^{2.4.9}	
High-End Disk WinMark99	17600 ^{2.4.9}	
Business Graphics WinMark99	190 ^{2.4.9}	
High-End Graphics WinMark99	490 ^{2.4.9}	
ZD 3D Winbench 2000 V1.1		
3D WinMark 2000	49.5 ^{1.5.23}	