

QE Verification Test Plan

Release No :07E010020

Product Model	PFM-P01A
Description	PC/104+ Power Module
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : PFM-P01A Rev:A1.0-A <input type="checkbox"/> BIOS : N/A <input checked="" type="checkbox"/> PC Card Information : <input checked="" type="checkbox"/> PCB (1) : GENE-1270 Rev: A0.2-A <input type="checkbox"/> BIOS (1) : N/A <input checked="" type="checkbox"/> PCB (2) : GENE-5312 Rev.A1.01 <input checked="" type="checkbox"/> BIOS (2) : GENE-5312 BIOS Rev:1.2 (11/25/2005) <input checked="" type="checkbox"/> PCB (3) : GENE-5315 Rev.A0.2 <input checked="" type="checkbox"/> BIOS (3) : GENE-5315 BIOS Rev.1.0 (10/12/2006) <input checked="" type="checkbox"/> PCB (4) : PFM-530I Rev:A1.0 <input checked="" type="checkbox"/> BIOS (4) : PFM-530I BIOS Rev:1.4 (01/28/2005) <input checked="" type="checkbox"/> PCB (5) : PFM-540I Rev:A1.0 <input checked="" type="checkbox"/> BIOS (5) : PFM-540I BIOS Rev 1.1 (07/04/2007) <input checked="" type="checkbox"/> Remark : QE P5 NPDP Report
Test Result Summary	
<input type="checkbox"/> Pass <input type="checkbox"/> Fail <input checked="" type="checkbox"/> Pass with Deviation Comment: <u>PM & RD Agree (LAN Function pin IP lose 3/1000)</u>	

2007/09/17

Issue date

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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

Test Result for Certification

1. Dynamic / Boot_UP Burn_In Test

Test Method	Test Condition	Result		
		Pass	Fail	N/A
Hot Start Test at 60 °C	60 °C (Doing 50 times Power On/Off)	X		
Cold Start Test at 0°C	0°C (Doing 50 times Power On/Off)	X		

2. (GENE-1270) Network HUB / LAN Connection Test

2.1.Platform Information

PCB Model / Version	GENE-1270 Rev: A0.2-A
BIOS Version	N/A
Operating System	Windows CE 5.0
CPU Type	Onboard Intel XSCALE PXA270 / 520MHz
Memory Type	64MB Infineon HYB25L256160AC-7.5
Primary IDE Master	Transcend / LBA , ATA33 /2GB
POE Switch	D-Link / DES-1316

2.2. Network HUB / LAN Connection Test

Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN	10/100 Mbps	HP J4095A 24 Ports	100M	100 Mbps	100	X		
		D-Link DGS-1008T	100M	1Gbps	100	X		
		Intel InBusiness 8 Ports	100M	100 Mbps	100	X		
		LEMEL LM-S5 5 Ports	100M	100 Mbps	100	X		
		Acton Desktop-3005	100M	100 Mbps	100	X		
		D-Link DES-1316 PoE Switch	100M	100 Mbps	100	X		
		SVEC FD916H	100M	10 Mbps	10	X		

3. (GENE-5312) Network HUB / LAN Connection Test

3.1 .Platform Information

PCB Model / Version	GENE-5312 Rev: A1.01
BIOS Version	GENE-5312 BIOS Rev:1.2 (11/25/2005)
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CPU Type	Geode GX-MMX 400MHz
Memory Type	HYNIX / HY5DU121622A / DDR333 /512MB
Primary IDE Master	Transcend / LBA , ATA33 /2GB
POE Switch	D-Link / DES-1316

3.2. Network HUB / LAN Connection Test

Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN1	10/100 Mbps	HP J4095A 24 Ports	100M	100 Mbps	100	X		
		D-Link DGS-1008T	100M	1Gbps	100	X		
		Intel InBusiness 8 Ports	100M	100 Mbps	100	X		
		LEMEL LM-S5 5 Ports	100M	100 Mbps	100	X		
		Acton Desktop-3005	100M	100 Mbps	100	X		
		D-Link DES-1316 PoE Switch	100M	100 Mbps	100	X		
		SVEC FD916H	100M	10 Mbps	10	X		
Onboard LAN2	10/100 Mbps	HP J4095A 24 Ports	100M	100 Mbps	100	X		
		D-Link DGS-1008T	100M	1Gbps	100	X		
		Intel InBusiness 8 Ports	100M	100 Mbps	100	X		
		LEMEL LM-S5 5 Ports	100M	100 Mbps	100	X		
		Acton Desktop-3005	100M	100 Mbps	100	X		
		D-Link DES-1316 PoE Switch	100M	100 Mbps	100	X		
		SVEC FD916H	100M	10 Mbps	10	X		

4. (GENE-5315) Network HUB / LAN Connection Test

4.1. Platform Information

PCB Model / Version	GENE-5315 A0.2
BIOS Version	GENE-5315 BIOS Rev.1.0 (10/12/2006)
Operating System	Windows XP Professional English Version V2002 Service Pack 2
CPU Type	Geode GX-MMX 500MHz
Memory Type	HYNIX / HY5DU121622AT-J / 512MB / DDR333
Primary IDE Master	Transcend / LBA , ATA33 / 2GB
POE Switch	D-Link / DES-1316

4.2. Network HUB / LAN Connection Test

Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN1	10/100 Mbps	HP J4095A 24 Ports	100M	100 Mbps	100	X		
		D-Link DGS-1008T	100M	1Gbps	100	X		
		Intel InBusiness 8 Ports	100M	100 Mbps	100	X		
		LEMEL LM-S5 5 Ports	100M	100 Mbps	100	X		
		Acton Desktop-3005	100M	100 Mbps	100	X		
		D-Link DES-1316 PoE Switch	100M	100 Mbps	100	X		
		SVEC FD916H	100M	10 Mbps	10	X		
Onboard LAN2	10/100 Mbps	HP J4095A 24 Ports	100M	100 Mbps	100	X		
		D-Link DGS-1008T	100M	1Gbps	100	X		
		Intel InBusiness 8 Ports	100M	100 Mbps	100	X		

	LEMEL LM-S5 5 Ports	100M	100 Mbps	100	X		
	Acton Desktop-3005	100M	100 Mbps	100	X		
	D-Link DES-1316 PoE Switch	100M	100 Mbps	100	X		
	SVEC FD916H	100M	10 Mbps	10	X		

5. (PFM-530I) Network HUB / LAN Connection Test

5.1. Platform Information

PCB Model / Version	PFM-530I Rev:A1.0
BIOS Version	PFM-530I BIOS Rev:1.4 (01/28/2005)
Operating System	Windows CE 5.0
CPU Type	On Board STPC-DX2 133MHz
Memory Type	On Board 64MB
Primary IDE Master	Transcend / LBA , ATA33 /2GB
POE Switch	D-Link / DES-1316

5.2. Network HUB / LAN Connection Test

Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN	10/100 Mbps	HP J4095A 24 Ports	100M	100 Mbps	100	X		
		D-Link DGS-1008T	100M	1Gbps	100	X		
		Intel InBusiness 8 Ports	100M	100 Mbps	100	X		
		LEMEL LM-S5 5 Ports	100M	100 Mbps	100	X		
		Acton Desktop-3005	100M	100 Mbps	100	X		
		D-Link DES-1316 PoE Switch	100M	100 Mbps	100	X		
		SVEC FD916H	100M	10 Mbps	10	X		

6. (PFM-540I) Network HUB / LAN Connection Test

6.1. Platform Information

PCB Model / Version	PFM-540I Rev:A1.0
BIOS Version	PFM-540I BIOS Rev 1.1 (07/04/2007)
Operating System	Windows CE 5.0
CPU Type	Geode GX-MMX 500MHz
Memory Type	SAMSUNG / K4H510838D / DDR333 1GB
Primary IDE Master	Transcend / LBA , ATA33 /2GB
POE Switch	D-Link / DES-1316

6.2. Network HUB / LAN Connection Test

Location	Speed	HUB Type	Cable Length	HUB Speed	Onboard LAN Speed	Result		
						Pass	Fail	N/A
Onboard LAN	10/100 Mbps	HP J4095A 24 Ports	100M	100 Mbps	100	X		
		D-Link DGS-1008T	100M	1Gbps	100	X		
		Intel InBusiness 8 Ports	100M	100 Mbps	100	X		
		LEMEL LM-S5 5 Ports	100M	100 Mbps	100	X		
		Acton Desktop-3005	100M	100 Mbps	100	X		
		D-Link DES-1316 PoE Switch	100M	100 Mbps	100	X		
		SVEC FD916H	100M	10 Mbps	10	X		