

3 . Power Consumption / Connector Test

Platform Information:

PCB Model & Version	HSB-460I Rev.A0.2
CPU Type & FSB	Cyrix Media Gx with MMX.S CPU-300MHz
Memory Type	On Board 64MB(Samsung K4S281632D-TC75)
DOC Type	M-System DOC2000 <input type="checkbox"/> 4MB <input type="checkbox"/> 8MB <input checked="" type="checkbox"/> 16MB <input type="checkbox"/> 32MB <input type="checkbox"/> __ MB
Power Supply	SHARK TECHNOLOGY / SPC5110-250ATX2 / 250W
VGA Card (Chipset)	On Board National Semiconductor Xpress GRAPHICS™

Operating System Environment :

DOS 6.22	Config.sys	Device=c:\dos\setup.exe Device=c:\dos\power.exe dos=high files=30
	Autoexec.bat	c:\dos\smartdrv.exe/x @ echo off path c:\dos set temp=c:\dos

A. Power Consumption Test :

Test Software (DOS Mode):

Test Software	QAPIus/Fe 5.5 (Run QAPIusfe.exe/ Memory module test programming)
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Test Result:

Mode Type	CPU TYPE(ON BOARD 64MB)	Note
Normal Mode(+5V)	1.98 A	
Suspend Mode(+5V)	1.28 A	
Normal Mode(+12V)	0	
Suspend Mode(+12V)	0	
Normal Mode(+3.3V)	0	
Suspend Mode(+3.3V)	0	

B. Power Margin Test: Play VCD in Win 98 O.S.

Test Point:

1. Play VCD 10 Minutes.

**B-1 ATX Connector [Male] → ATX Power Supply : DEC DP-ATX725B / 250W [Female]
[✓] No Support.**

Voltage	Low/High Voltage 110 V / 220 V	Actual Voltage		Result				Note
		110 V	220 V	110V		220V		
				Pass	Fail	Pass	Fail	
5 V	4.75 V	V	V					
	5.25 V	V	V					
3.3V	3.135V	V	V					
	3.465V	V	V					
12 V	11.4 V	V	V					
	12.6 V	V	V					

**B-2 AT Connector [Male] → AT Power Supply : Seventeam ST-250AF / 250W [Female]
[] No Support.**

Voltage	Low/High Voltage 110 V / 220 V	Actual Voltage		Result				Note
		110 V	220 V	110V		220V		
				Pass	Fail	Pass	Fail	
5 V	5 V	5.1 V	5.1 V	✓		✓		
12 V	12 V	12.1 V	12.1 V	✓		✓		

C. Power Connector Test : AT Power To ATX Motherboard

No Support.

Test Point:

- 1.O.S. : Play VCD in Win 98 O.S.
- 2.Play VCD 10 Minutes.

Note:

1. AT Power Supply : Seventeam ST-250 AF/250W (Female) .
2. Use transform cable : The cable is a AT connector (Male) transform into a ATX connector (Female)

Voltage	Low/High Voltage 110 V / 220 V	Actual Voltage		Result				Note
		110 V	220 V	110V		220V		
				Pass	Fail	Pass	Fail	
5 V	5 V	V	V					
12 V	12 V	V	V					

D. Power Support Test: 5V only operation

[Use Big / Small 4P Power Connector]

No Support.

Test Item	Result		Note
	Yes	No	
5 V	✓		
12 V	N/A		