

3 . Power Consumption / Connector/ System Inteegration Application Test

Platform Information:

PCB Model & Version	HSB-660I Rev. A 0.1
CPU Type & FSB	N/A
Memory Type	Infineon / HYB39S64800CT-75 / PC133 / 128MB [SR-051]
DOC Type	N/A
Compact Flash Type	SanDisk Compact Flash 64MB Memory Card TYPE1 [CF-200206]
Power Supply	SHARK / SPC5110-250ATZ2 / ATX / 250W [ATX-011]
VGA Card (Chipset)	VT8606

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 (Typical Loading):

Test Software (DOS Mode):

Test Software	QAPlus/Fe 5.6 (Run QAPlusfe.exe/ Memory module test programming)
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Test Result:

Mode Type	CPU TYPE			Note
	PIII 1.4GHz 133 FSB	PIII 933MHz 133 FSB	Celeron 1GHz 100 FSB	
Normal Mode(+5V)	5.23 A	4.30 A	4.80 A	
Suspend Mode(+5V)	4.65 A	0.87 A	4.09 A	
Normal Mode(+12V)	0.25 A	0.25 A	0.24 A	
Suspend Mode(+12V)	0.11 A	0.11 A	0.13 A	
Normal Mode(+3.3V)	2.53 A	2.50 A	2.49 A	
Suspend Mode(+3.3V)	2.47 A	2.46 A	2.06 A	

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

Test Point:

1. Play VCD 5 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	4.75 V	4.75 V	✓		✓		
	5.25 V	5.23 V	5.23 V	✓		✓		
3.3V	3.135V	3.33 V	3.33 V	✓		✓		
	3.465V	3.33 V	3.33 V	✓		✓		
12 V	11.4 V	11.45 V	11.45 V	✓		✓		
	12.6 V	12.57 V	12.57 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	V	V					
12 V	12 V	V	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 5 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	4.99 V	4.99 V	✓		✓		
12 V	12 V	11.99 V	11.99 V	✓		✓		

D. Power Test: 5V only operation

[Use Big / Small 4P Power Connector]

[✓] No Support.

Test Item	Result		Note
	Yes	No	
5 V			
12 V			

E. System Integeration Application Test

Test Points:

- 1.On Board I/O Function is embedded on PCB ; Adapter I/O Function is external device.
- 2.Plugging in all of the onboard 、 riser card and backplane slots to test the system integration application.
 2. Under Point 1, 2 condition to play 6 MediaPlayer tasks and test "Power Consumption" of syatem.

Platform Information:

PCB Model & Version	HSB-660I Rev. A 0.1
CPU Type & FSB	Intel Pentium III 1.4GHz / 512/133/1.45V/SL657 [IN-200208]
Memory Type	Kingston / Winbond 202DB W982508BH-75 / PC133 / 512MB [SR-200204]
O.S.	Windows 98SE 4.10.2222A
Primary IDE Master	MAXTOR / E-H011-02-3056 / 40GB [ID-2003001]
Primary IDE Slave	ASUS / 8520/A2/ASUS/52X/G / 52X [CD-061]
Secondary IDE Master	SanDisk Compact Flash 64MB Memory Card TYPE1 [CF-200206]
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev. A1.0
Riser Card	N/A
VGA Card & Driver Version	VT8606
LAN Card & Driver Version	Realtek 8139D or Realtek 8100C 10/100Mbps Intel 82551ER or 8110S-32 10/100(10/100/1000)Mbps