

3 . Power Consumption / Connector/ System Integeration Application Test

Platform Information:

PCB Model & Version	HSB-657I Rev.A.0.1
CPU Type & FSB	On board VIA C3 667A MHZ(133x5.0)
Memory Type	NEC / D45128163G5-A80-9JF / PC100 /128MB
DOC Type	N/a
Compact Flash Type	N/a
Power Supply	SHARK TECHNOLOGY / SPC5110-250ATX2 / 250W
VGA Card (Chipset)	ON Board S3 Graphics Twister

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	QAPIus/Fe 5.6 (Run QAPIusfe.exe/ Memory module test programming)
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Test Result:

Mode Type	CPU TYPE (ON board)	Note
Normal Mode(+5V)	2.5	A
Suspend Mode(+5V)	1.6	A
Normal Mode(+12V)	N/a	A
Suspend Mode(+12V)	N/a	A
Normal Mode(+3.3V)	N/a	A
Suspend Mode(+3.3V)	N/a	A

B. Power Marain Test: Plav VCD in Win 98 O.S.

Test Point:

- Plav VCD 5 Minutes

**B-1 ATX Connector [Male] ATX Power Supplv : 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	5.0 V	4.9 V	✓		✓		
	5.25 V	5.1 V	5.1 V	✓		✓		
3.3V	3.135V	N/a V	N/a V	N/a		N/a		
	3.465V	N/a V	N/a V	N/a		N/a		
12 V	11.4 V	12.1 V	12.1 V	✓		✓		
	12.6 V	12.1 V	12.1 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	V	V					
12 V	12 V	V	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 Integration 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.
- 3.Under Point 1, 2 condition to play 6 MediaPlayer tasks and test "Power Consumption" of system.

Platform Information:

PCB Model & Version	HSB-657I Rev.A.0.1
CPU Type & FSB	On board VIA C3 667A MHZ(133x5.0)
Memory Type	NEC / D45128163G5-A80-9JF / PC100 /128MB
O.S.	Windows 98SE 4.10.222A
Primary IDE Master	W/D WD200EB-OOCPFO / ATA- / 20GB
Primary IDE Slave	TEAC CD-540E-082-U / 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SS-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	ON Board S3 Graphics Twister

LAN Card & Driver Version	ON Board Realtek RTL 8139D
Audio Driver & Driver Version	

E-1. System integration application Test (Burn-In 8 Hrs):

On Board I/O Function	Installation		Function		Multi Test		Note	
	Pass	Fail	Pass	Fail	Pass	Fail		
lomega / lomega zip 100 portable USB drive	✓		✓		✓			
TEK/SHOWDRIVE SMART 128MB	✓		✓		✓			
PQI / USB CARD RD / WD FPT-A16	✓		✓		✓			
MITSUMI / D353FUE / USB	✓		✓		✓			
HP / SJ4200C / USB	✓		✓		✓			
HP / PHOTO SMART P1000	✓		✓		✓			
D-Link / DU-H4	✓		✓		✓			
CyberLink /Remote control for Power DVD	✓		✓		✓			
Acer /6406EU-122 / USB	✓		✓		✓			
SANDISK/COMPACT FLASH 64MB MEMORY	✓		✓		✓			
Off board Peripheral/Adapter I/O Function	Interface	Installation		Function		Multi Test		Note
		Pass	Fail	Pass	Fail	Pass	Fail	
SANDISK /SANDISK ATA 4MB		✓		✓		✓		
PCMCIA Module (pcm3115b)		✓		✓		✓		

E-2. Power Consumption Test:

Test Result:

Mode Type	CPU TYPE (ON board)	Note
Normal Mode(+5V)	N/a	
Suspend Mode(+5V)	N/a	
Normal Mode(+12V)	N/a	
Suspend Mode(+12V)	N/a	
Normal Mode(+3.3V)	N/a	
Suspend Mode(+3.3V)	N/a	