

3 . Power Consumption / Connector/ System Inteegration Application Test

Platform Information:

PCB Model & Version	PCM-8500 Rev.1.0
CPU Type & FSB	INTEL Pentium IV 2.53GHz/ 512/ 533/ 1.5V
Memory Type	Transcend /SAMSUNG 229 K4H560838C-TCB3 / DDR333 /512MB
DOC Type	N/a
Compact Flash Type	N/a
Power Supply	ICUTE / FS-3000EP4C 300W
VGA Card (Chipset)	Intel®82845G/GL/GE/PE/GV,AGP 4X(Share Menory up to 32MB)

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	Speed2000
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Test Result:

Mode Type	CPU TYPE			Note
	P4 2A GHz	P4 2.53 GHz	P4 2.4 GHz	
Normal Mode(+5V)	0.4A	0.3A	0.4A	
Suspend Mode(+5V)	0.4A	0.3A	0.4A	
Normal Mode(+12V)	3.6A	3.3A	3.6A	
Suspend Mode(+12V)	0.6A	0.5A	0.6A	
Normal Mode(+3.3V)	2.3A	2.1A	2.3A	
Suspend Mode(+3.3V)	2.3A	2.1A	2.3A	

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	5.0 V	5.1 V	✓		✓		
	5.25 V	5.1 V	5.1 V	✓		✓		
3.3V	3.135V	3.3 V	3.3 V	✓		✓		
	3.465V	3.3 V	3.3 V	✓		✓		
12 V	11.4 V	12.0 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 syatem.

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Memory Type	Transcend /SAMSUNG 229 K4H560838C-TCB3 / DDR333 /512MB
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	N/a
Riser Card	N/a
VGA Card & Driver Version	Intel®82845G/GL/GE/PE/GV,AGP 4X(Share Menory up to 32MB)
LAN Card & Driver Version	Intel® 82562 ET 10/100 Base
Audio Driver & Driver Version	ALC 650 Code 6 Channel ,AC97

On Board I/O Function	Installation		Function		Multi Test		Note	
	Pass	Fail	Pass	Fail	Pass	Fail		
PLEXTIR / PX-S88TU / USB-CD-RW	✓		✓		✓		CD-2003003	
ADI / ADI Commupack 56 K	✓		✓		✓		MD-011	
lomega zip 100 parallel port	✓		✓		✓		ZP-003	
D-Link / DU-H4	✓		✓		✓		HB-009	
TEK / THUMB DRIVE SMART 64MB	✓		✓		✓		UD-001	
LOGITECH / M-M35	✓		✓		✓		MS-012	
ANATEL/ESD-0201403C Mini PCI 802.11b	✓		✓		✓		MI-200200	
Accton / FAST ETHERCARD-32	✓		✓		✓		PC-005	
SANDISK / SANDISK ATA 4MB FLASH	✓		✓		✓		PC-003	
PQI / FC256 256 MB Compact Flash	✓		✓		✓		CF-200203	
HP / PHOTO SMART P1000 /priniter	✓		✓		✓			
HP / SJ4200C /scanner	✓		✓		✓			
Off board Peripheral/Adapter I/O Function	Interface	Installation		Function		Multi Test		Note
		Pass	Fail	Pass	Fail	Pass	Fail	

**E-2. Power Consumption Test:
Test Result:**

Mode Type	CPU TYPE		Current
	P4 2A G		
Normal Mode(+5V)	0.3		Amp/Max
Suspend Mode(+5V)	0.5		Amp/Max
Normal Mode(+12V)	0.9		Amp/Max
Suspend Mode(+12V)	2.2		Amp/Max
Normal Mode(+3.3V)	2.5		Amp/Max
Suspend Mode(+3.3V)	2.6		Amp/Max