



AAEON Technology INC.
ISO-9001/ISO-14001 Certified
Industrial Automation PCs

QE Compatibility Test Report

Release No : PCM-6896-R-01

Product Model	PCM-6896
Product Description	FC/Socket 370 Compact Board With LCD, Ethernet, Audio, AGP2X, SSD/Compact Flash, PC/104, PC/104 Plus, and 4USB Port
Test Reason	<input type="checkbox"/> New product <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input checked="" type="checkbox"/> Renew product <input checked="" type="checkbox"/> PCB : PCM-6896 Rev A0.3 <input checked="" type="checkbox"/> BIOS: Rev 1.1 04/17/2001 <input type="checkbox"/> Revision change <input type="checkbox"/> PCB : <input type="checkbox"/> BIOS: <input type="checkbox"/> Component:

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Issue date

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There are 3 test results in this document; they are described as follows:

Pass: It worked perfectly

Fail: Test failed, and to be modified in the next version

N/A: Outside of specifications or no test equipment

1. Dynamic / Boot_UP Burn_In Test

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 933 133*7
Memory Type	HITACHI 64MB PC100 52634805DTTA60
Primary IDE Master	Fujitsu MPC3043AT-E/ 4.32GB/ ATA33
Primary IDE Slave	N/A
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
DOC Type	M-System DOC2000 <input type="checkbox"/> 4MB <input type="checkbox"/> 8MB <input checked="" type="checkbox"/> 16MB <input type="checkbox"/> 24MB <input type="checkbox"/> MB
VGA Card & Driver Version	OnBoard Intel 82815E 4.13.01.2732
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222
Audio Chipset & Driver Version	ALC200/ Advance AC'97 Audio 5.12.01.2204

A.Dynamic Burn-In Test:

A-1.Diagnostics Software Burn_In Test:

Test Point:

1. Test items includeing system, Memory, Display, Keyboard, LPTs W/ loopback, COMs W/ loopback.

Test Condition: Under Temperature 0 °C ~ 60 °C(48 Hours)

Test Program	Result		Note
	Pass	Fail	
Qaplusfe 5.6	✓		
AMIDIAG 5.21 [Option]			

A-2.Audio Play For Sound Codec Chipset Burn-In Test

Test Condition : Under Temperature 60 °C (2 Hours)

Test Method	Software Program	Result		Note
		Pass	Fail	
Play MP3 Sound cycle Test	Winamp 2.7	✓		

Test Condition : Under Temperature 0 °C (2 Hours)

Test Method	Software Program	Result		Note
		Pass	Fail	
Play MP3 Sound cycle Test	Winamp 2.7	✓		

A-3. LAN Chipset Burn-In Test**Test Condition : Under Temperature 60 °C (2 Hours)**

Test Method	Software Program	Result		Note
		Pass	Fail	
Play VCD	Media Player	✓		Dual LAN

Test Condition : Under Temperature 0 °C (2 Hours)

Test Method	Software Program	Result		Note
		Pass	Fail	
Play VCD	Media Player	✓		Dual LAN

B. Boot_Up Burn-In Test: Operating System Environment :DOS /Windows Mode.**B-1. Test Condition : Under Temperature 0°C~60°C (24Hours)**

Test Method	Actual	Successful	Failure rate	Note
Power On/Off (DOS Mode)	739	739	0 %	Allow failure rate under 2/1000
Power On/Off (Windows Mode) [Option]			%	Allow failure rate under 2/1000

B-2. Test Condition : Under Room Temperature [25°C].

Test Method	Actual	Successful	Failure rate	Note
H/W Reset 300Times (DOS Mode)	300	300	0 %	
KB Reset 20 Times (DOS Mode)	20	20	0 %	
H/W Reset 300Times (Windows Mode) [Option]			%	
KB Reset 20 Times (Windows Mode) [Option]	20	20	0 %	

2. Timer Accuracy Test

Platform Information:

PCB Model & Version	PCM-6896 Rev.A0.3 BIOS 1.1 04/17/2001
CPU Type & FSB	Pentium III 850/100
Memory Type	NEC D4564841G5-A80-9JF/PC-100
Primary IDE Master	W/D AC28400 8.4GB
Primary IDE Slave	Creative CD5220E
VGA Card & Driver Version	OnBoard Intel 82815 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET

A.System Clock & RTC Clock test

Environment Setting: MS-DOS 6.22

The Result: Under Room Temperature 25 °C

Item Function		Test Times	Margin for error	Acturl	Result		Note
					Pass	Fail	
System Clock		24 hrs	+/-5 sec	Sec	✓		
RTC Clock	Static	24 hrs	+/-3 sec	Sec	✓		
	Dynamic	24 hrs	+/-3 sec	Sec	✓		

B.Watchdog Timer test

The Result:

Time-out interval	Margin for error	Acturl	Result		Note
			Pass	Fail	
10 sec	+/-1 sec	10 Sec	✓		DOS 6.22
20 sec	+/-1 sec	20 Sec	✓		DOS 6.22
30 sec	+/-1 sec	30 Sec	✓		DOS 6.22
40 sec	+/-1 sec	40 Sec	✓		DOS 6.22
1 min	+/-1 sec	60 Sec	✓		DOS 6.22
2 min	+/-1 sec	120 Sec	✓		DOS 6.22
4 min	+/-1 sec	240 Sec	✓		DOS 6.22

3 . Power Consumption

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS 1.1 04/17/2001
Memory Type	NEC D4564841G5-A80-9JF/PC-100
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET

Operating System Environment :

DOS 6.22	Config.sys	Device=c:\dos\himem.sys dos=high,umb files=35 Buffers=40
	Autoexec.bat	Prompt \$p\$g c:\dos\smartdrv.exe /x

Test Software (DOS Mode):

Test Software	Landmark Speed V.2.0(Speed200.exe)
---------------	------------------------------------

Test Result:

Mode Type	CPU TYPE			Current
	P3 1GHz 133*7.5	Celeron 776 66*11.5	Celeron433 66*6.5	
Normal Mode(+5V)	4.80	3.85	3.55	Amp/Max
Suspend Mode(+5V)	1.09	1.04	1.04	Amp/Max
Normal Mode(+12V)	0.24	0.23	0.23	Amp/Max
Suspend Mode(+12V)	0.11	1.09	0.11	Amp/Max

4. Hardware Compatibility

A. Component Compatibility- CPU

Test Points:

- 1.This test focuses on the compatibility test of all supported processors in the system.
- 2.Setups verify: Verify the processor and L2 are reported correctly during POST at the top of the screen (Reboot 10 times).
- 3.Diagnostics: Run HCT SYSTEM STRESS in WindowsNT4.0.

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
Memory Type	HITACHI 64MB PC100 52634805DTTA60
O.S.	Windows NT 4.0 Workstation Ver.4.00.1381 with SP6
Primary IDE Master	IBM DTLA-307045 46.1GB ATA100 7200RPM
Primary IDE Slave	NEC BCD F541B 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 815E Ver.4.03.1381.2656,4.0.32

Test Result:

	CPU Type	Host Bus CLK	Test Item	Result		Note
				Pass	Fail	
OS	Pentium III 933	133MHz	CPU CMOS Message	✓		
			HCT System Stress	✓		
	Pentium III 850	100MHz	CPU CMOS Message	✓		
			HCT System Stress	✓		
	Pentium III 550	100MHz	CPU CMOS Message	✓		
			HCT System Stress	✓		
	Celeron 433 [.25u]	66MHz	CPU CMOS Message	✓		
			HCT System Stress	✓		

B. Component Compatibility- SDRAM DIMM Module

Test Points:

1. Setups verify—Verify the memory size is reported correctly during POST at the top of the screen (Reboot 10 times).
2. Diagnostics—Run the HCT SYSTEM STRESS program for 8 Hrs each item.

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
Memory Type	HITACHI 64MB PC100 52634805DTTA60
O.S.	Windows NT 4.0 Workstation Ver.4.00.1381 with SP6
Primary IDE Master	IBM DTLA-307045 46.1GB ATA100 7200RPM
Primary IDE Slave	NEC BCD F541B 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 815E Ver.4.03.1381.2656,4.0.32

Memory List:

Item	Brand	DRAM TYPE	Total Size
01	HITACHI	5264805DTTA60/ PC100 SR-036	64MB
02	NANYA	NT56V6620C0T-75S/ PC133 SR-049	64MB
03	LGS	GM72V66841CT7J/ PC100 SR-032	128MB
04	SIEMENS	HYB39S16800AT-10/PC100 SR-009	32MB
05	NEC	D4564841G5-A80-9JF/PC100 SR--040	64MB
06	NEC	D4564841G5-A80-9JF/PC100 SR-018	128MB

Environment Description: “DIMM 2(1)” means to insert DIMM item 1 in DIMM slot 2

Test Result:

Environment Configuration Run HCT System stress	Result		Note
	Pass	Fail	
DIMM 1(1)	✓		
DIMM 1(2)	✓		
DIMM 1(3)	✓		
DIMM 1(4)	✓		
DIMM 1(5)	✓		
DIMM 1(6)	✓		

C. Peripheral Compatibility-HDD / CDROM Device

Test Points:

- 1.This test emphasizes on PCI IDE Devices compatibility test.
- 2.Autosense Test—Verify the HDDs reported correctly during POST after setup(EXP: Capacity up than 40GB).
- 3.Setup BIOS--AUTO, USER and Disable on IDE detect item then reboot 10 times.

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM72V66841CT7J
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Seagate ST34520A 4.5Gb ATA33 7200RPM
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Peripheral Compatibility-HDD / CDROM Device:

HDD Device	CMOS Message		Booting Up		Read/Write		Play VCD		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	
IBM DTLA-307045/ 46.1GB/ ATA100	✓		✓		✓		✓		
Maxtor 52049U4/ 20.4GB/ ATA66	✓		✓		✓		✓		
W/D AC28400/ 8.4GB/ ATA66	✓		✓		✓		✓		
Seagate ST34520A/ 4.5GB/ ATA33	✓		✓		✓		✓		
IBM DTLA-307075/76.8GB/ATA100	✓		✓		✓		✓		
Seagate ST320413A/ 20GB/ ATA100	✓		✓		✓		✓		
Seagate U2W-SCSI ST34520LW/ 4.55GB	✓		✓		✓		✓		
DVD/CD-ROM Device	CMOS Message		Booting Up		Read/Write		Play VCD		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	
NEC C&C-BCD F561B/ 52X	✓		✓		✓		✓		
SONY CDU4811/ 40X	✓		✓		✓		✓		
TEAC CD-540E/ 40X	✓		✓		✓		✓		
RICOH MP7060S/ 24X/ SCSI-CDROM	✓		✓		✓		✓		
Full 4 IDE HDD Device	CMOS Message		Booting Up		Read/Write		Play VCD		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	
P1 Maxtor 52049U4/ 20.4GB/ ATA66	✓		✓		✓		✓		
P2 W/D AC28400/ 8.4GB/ ATA66	✓		✓		✓		✓		

D. Peripheral Compatibility- Storage Device

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM72V66841CT7J
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Seagate ST34520A 4.5Gb ATA33 7200RPM
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Device List:

Device item	Booting		Format		Read/Write		Programing		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	
ZIP 100 [IDE]	✓		✓		✓		✓		
LS 120 [IDE]	✓		✓		✓		✓		
DOC 2000 16MB Memory Segment	D800H	✓		✓		✓		✓	
	Disable	✓		✓		✓		✓	
Compact Flash	340MB	✓		✓		✓		✓	TYPE II
	32MB	✓		✓		✓		✓	TYPE I

E. USB Function Test

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM72V66841CT7J
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Seagate ST34520A 4.5Gb ATA33 7200RPM
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Device Item:

Item	Device Type	Brand	Model
1	Keyboard	LEMEL	7932
2	Mouse	Logitech	M-BB48
3	Scanner	HP	SJ4200C
4	Printer	HP	Photo Smart P1000
5	Camera	Tekcam	P35U
6	ZIP	IOMEGA	ZIP 100MB
7	Ethernet Adapter	D-Link	DU-E10
8	HUB	D-Link	DSB-H4/DU-H4

Environment Description: "USB2(1)" means to insert USB item 1 in USB Port 2

Test Result:

Test Item		Result		Note
		Pass	Fail	
BIOS setup test				
MS-DOS 6.22	USB Legacy Function Test	✓		
Windows 98 SE 4.10.2222A	USB1(1)	✓		
	USB2(2)	✓		
	USB3(3)	✓		
	USB4(4)	✓		
	USB1(2)+ USB2(7)	✓		
	USB3(5)+ USB4(6)	✓		
	Enable/Disable USB Drive	✓		
	OS Rebooting Test	✓		
Windows 2000 Professional 5.00.2195	USB1(1)	✓		
	USB2(2)	✓		
	USB3(3)	✓		
	USB4(4)	✓		
	USB1(2)+ USB2(7)	✓		
	USB3(5)+ USB4(6)	✓		
	Enable/Disable USB Drive	✓		
	OS Rebooting Test	✓		

F. Adapter Compatibility- Industry Control Card / PC104 Modules

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM72V66841CT7J
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Seagate ST34520A 4.5GB ATA33 7200RPM
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Device List: PC/104 PLUS (PCI) Module

Device item	Booting/ Format		Read/Write		Programminn		+/- 12V: +/- 5V		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	
AAEON PCM-3430	✓		✓		✓		✓		SCSI CARD

Device List: PC/104 (ISA) Module

Device item	Booting/ Format		Read/Write		Programminn		+/- 12V: +/- 5V		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	
AAEON PCM-3600		✓		✓		✓		✓	Note ¹
AAEON PCM-3420		✓		✓		✓		✓	Note ¹
AAEON PCM-3110		✓		✓		✓		✓	Note ¹
AAEON PCM-3111		✓		✓		✓		✓	Note ¹

Note¹:The product's design does not support 16Bit ISA Bus

G. PCI Function(PCI Adapter Card) Test

Test Points:

- 1.This test includes Multimedia Card, SCSI Controller Card, LAN Card and the other PCI Card.
- 2.Install drivers and utilities to verify all functions correct (Including installation, **un-installation, reboot, suspend and PnP**).
- 3.Run diagnostic test program to verify all kind of PCI Cards one by one then load stress.

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	NEC 64MB PC100 D4564841G5-A80-9JF
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Seagate ST34520A 4.5GB ATA33 7200RPM
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

The Result:

Adapter Card VGA Card	Dual Display		Install Driver		Play VCD for least 10 Min		Note
	pass	fail	Pass	Fail	Pass	Fail	
LEMEL S3 TRIO64V2-DX/ GX	✓		✓		✓		PCI
Adapter Card Sound Card			Install Driver		Play VCD for least 10 Min		Note
			Pass	Fail	Pass	Fail	
Creative AUDIO			✓		✓		PCI
Adapter Card SCSI Card			Install Driver		Play VCD for least 10 Min		Note
			Pass	Fail	Pass	Fail	
AHA-2940U			✓		✓		PCI
Adapter Card Modem Card			Install Driver		Connect to Internet		Note
			Pass	Fail	Pass	Fail	
GVC F2000 56K/ V.90 D/ FAX/ MODEN			✓		✓		PCI
TOP SOLUTION FAX Modem 56K/V90			✓		✓		PCI
Adapter Card LAN Card			Install Driver		Play VCD for least 10 Min		Note
			Pass	Fail	Pass	Fail	
Switch HUB Type	Accton Cheetah Switch Desktop-3005 5-Port 10/100						
D-Link DFE-540TX PCI (10/ 100Mbps)			✓		✓		PCI
RTL-8139B (10/ 100Mbps)			✓		✓		PCI
Adapter Card Other Card			Install Driver		Play VCD for least 10 Min		Note
			Pass	Fail	Pass	Fail	
YUAN/聽泰 DVD MPEG-2 MPEG Card			✓		✓		PCI

H. Ultra /66/100 Test

Test Points:

- 1.Compare the Performance between / 66 and / 100 HDD.
- 2.Test Software is WinBench 99 v1.1.
- 3.Verify RAID Function test.

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM72V66841CT7J
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.12.01.22656

Drivers Information:

IDE Driver & Driver Version	Intel Ultra Storage Driver 6.03.008
LAN Driver & Driver Version	Intel 82562ET 4.10.2222
Audio Driver & Driver Version	ALC200/ Advance AC'97 Audio 5.12.01.2204
DirectX Version	DirectX 6.1a(4.06.03.0518)

The Result:

Test Item	Device Model	PROMISE Ultra 100		Note
		ATA/ 66	ATA/ 100	
		Western Digital AC26400-00RT 8.4GB	IBM DTLA-307045 46.1GB	
Winbench 99 v1.1				
Business Disk WinMark 99		5110	9150	
High-End Disk WinMark 99		10600	22700	
Disk Access Time (ms)		13.3	7.83	
Disk CPU Utilization (percent used)		2.3	2.78	
Disk Transfer Rate: Beginning (kB/s)		12900	37600	
Disk Transfer Rate: End (kB/s)		13300	37600	
Disk Playback/Bus Overall		5110	9150	
Disk Playback/HE Overall		10600	22700	
Avs/Express 3.4		6080	15500	
FrontPage 98		65500	11300	
MicroStation SE		15500	27000	
Photoshop 4.0		5000	12300	
Premiere 4.2		12100	22200	
Sound Forge 4.0		16600	29800	
Visual C++ 5.0		13300	26900	
Disk Playback/Removable Media		2970	9540	
Coretest V3.02(MS-DOS Mode)				
D Transfer Rate (KB/Sec)		52736	24752	
Average Seek Time (ms)		8.4	5.4	
Track-Track Seek (ms)		1.6	1.1	
Performance Index		N/A	N/A	

I. Floppy Disk Controller**Test Result:**

Test Item		Result (1.44M)		Note
		Pass	Fail	
Copy and Compare file between C: and A/B	MS-DOS 6.22	✓		
	Windows 98 SE 4.10.2222A	✓		
Format A/B with system transfer and boot PC from floppy	MS-DOS 6.22	✓		
	Windows 98 SE 4.10.2222A	✓		
SWAP FDD	MS-DOS 6.22	✓		
	Windows 98 SE 4.10.2222A	✓		

J. On Board Audio Function Test

Test Points:

1. Installation Test—Verify the indicated board can be installed correctly.
2. Software Test—Run the test programs that is supplied with the sound drivers and verify all of the tests function correctly.

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Intel Celeron 600 66*9
Memory Type	NEC D4564841G5-A80-9JF 128MB PC100
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Maxtor 52049U4 20.4GB ATA66 7200RPM
Primary IDE Slave	SONY CDU4811
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 4.12.01.2656
LAN Card & Driver Version	OnBoard INTEL 82562ET 4.10.2222

The Result:

Function Test	Result		Note
	Pass	Fail	
System Sound	✓		
Play CD_IN	✓		
Play Sound Recorder	✓		
Line Out	✓		
Line In	✓		
Line In Sound Record	✓		
MIC Speaker	✓		
MIC Sound Recorder	✓		
Play VCD 10mins	✓		

K. I/O Peripheral Test

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM72V66841CT7J
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Seagate ST34520A 4.5Gb ATA33 7200RPM
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Environment Setting:

Operating System	Windows 98 SE 4.10.2222A MS-DOS 6.22
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The Result:

I/O	Pass	Fail	Not support	Note
FDD Driver A:	✓			
FDD Driver B:	✓			
Primary IDE Master	✓			
Primary IDE Slave	✓			
COM 1	✓			
COM 2-232	✓			
COM 3	✓			
COM 4	✓			
COM 2-422	✓			
COM 2-485	✓			
PS/2 MOUSE	✓			
LPT 1	✓			
DOC	✓			
Compact Flash	✓			
Function	Pass	Fail	Not support	Notes
H/W Reset	✓			
Speaker	✓			
Buzzer	✓			
HDD LED	✓			
Power LED	✓			
ATX Power button	✓			
CPU FAN Connector	✓			
LAN LED	✓			

5. BIOS Function Test

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 550 100*5.5
Memory Type	NEC 64MB PC100 D4564841G5-A80-9Jf
Primary IDE Master	Seagate ST34520A 4.5GB ATA33 7200RPM
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

A. Y2K Test:

Y2K Software Test	Result		Note
	Pass	Fail	
TEST2000.EXE	✓		
Y2KEYE.EXE(Optional)	✓		

B. Standard CMOS Setup Test:

Test Item	Setting		Function		Note
	Pass	Fail	Pass	Fail	
D (mm:dd:yy)	✓				
Time (hh:mm:ss)	✓				
Primary Master	✓				
Primary Slave	✓				
Secondary Master	✓				
Floppy Disk A	✓				
Floppy Disk B	✓				

C. Boot Sequence Test:

Test Item	Result		Note
	Pass	Fail	
A:	✓		
LS-120	✓		
HDD-0:	✓		
SCSI	✓		
CDROM	✓		
HDD-1:	✓		
HDD-2:	✓		
ZIP	✓		

D. Power Manager Test:**D-1.APM Power Manager Test:**

Test Item	Time	Result		Note
		Pass	Fail	
Suspend Mode	1 Min		✓	N ¹
HDD Power Down	1 Min		✓	
Power Button	Delay 4 Sec	✓		
Power Button	Instant-Off	✓		

N¹:In to suspend delay 40-55 second

D-2.ACPI Power Manager Test:

Test Item	Result		Note
	Pass	Fail	
Enabled	✓		
Disabled	✓		

Note:Supported only ATX Power.

D-3.Power On Function Test:

Test Item	Result		Note
	Pass	Fail	
Password	✓		
Hot KEY	✓		
MOUSE Move	✓		
MOUSE Click	✓		
Any KEY	✓		
BUTTON ONLY	✓		
Keyboard 98	✓		
Power on Ring	✓		

D-4.Wake Up Event Test:

Test Item	Result		Note
	Pass	Fail	
Wake On LAN	✓		
Wake On Ring	✓		

E. CMOS Backup Test:

CMOS Backup Test	Result		Note
	Pass	Fail	
	✓		

F. Boot ROM Test:

Boot ROM Test	Result		Note
	Pass	Fail	
Boot ROM to NT Server 4.0	N/A		D-Link DES-1008 Switch HUB

G. COM Address / IRQ Test:**Mouse: Logitech M-M35**

Test Item	BIOS Adjust		Function		Note
	Pass	Fail	Pass	Fail	
COM 1					
3F8 / IRQ4	✓		✓		
2F8 / IRQ3	✓		✓		
3E8 / IRQ4	✓		✓		
2E8 / IRQ3	✓		✓		
AUTO	✓		✓		
Disable	✓		✓		
COM 2					
3F8 / IRQ4	✓		✓		
2F8 / IRQ3	✓		✓		
3E8 / IRQ4	✓		✓		
2E8 / IRQ3	✓		✓		
AUTO	✓		✓		
Disable	✓		✓		

H. LPT Address / IRQ Test:**Printer Type : Photo Smart P1000**

Test Item	BIOS Adjust		Function		Note
	Pass	Fail	Pass	Fail	
LPT 1					
378/IRQ7 (ECP+EPP/DMA3)	✓		✓		
278/IRQ5 (ECP+EPP/DMA3)	✓		✓		
3BC/IRQ7 (ECP/DMA3)	✓		✓		
Disabled	✓		✓		
LPT1 Mode					
ECP+EPP (378 / IRQ7)	✓		✓		
SPP (378 / IRQ7)	✓		✓		
EPP (378 / IRQ7)	✓		✓		
ECP (378 / IRQ7)	✓		✓		
LPT1 Port DMA Channel					
DMA3 (ECP+EPP 378 / IRQ7)	✓		✓		
DMA1 (ECP+EPP 378 / IRQ7)	✓		✓		

I. Hardware Monitor Test:

Hardware Monitor Test	Result		Note
	Pass	Fail	
Voltage 0	✓		1.47V
Voltage 1	✓		1.61V
Voltage 2	✓		1.68V
Voltage 3	✓		5.05V
Voltage 4	✓		11.96V
Voltage 5	✓		(-)12.03V
Voltage 6	✓		(-)5.20V
Voltage 7	✓		5.10V
Voltage Battery	✓		3.79V
Temperature1	✓		32DC
Fan 1 Seed	✓		5720RPM

6 . Performance Test

Platform Information:

PCB Model & Version	PCM-6896 Rev.A0.3 BIOS 1.1 04/17/2001
Memory Type	D45128841G5-A75-9JF/PC-133 128MB
Primary IDE Master	Maxtor 54610H6 46.1GB ATA100
Primary IDE Slave	TEAC CD-540E 40X
VGA Card & Driver Version	OnBoard Intel 82815 4.12.01.2656
LAN Card & Driver Version	Intel 82562ET 4.10.2222

Drivers Information:

IDE Driver	Intel Ultra ATA Storage Driver Ver.6.0
LAN Driver	Intel 82562ET
Audio Driver	ALC200 Sound Driver
VGA Driver & BIOS	Intel 82815 Ver.4.12.01.2656

A. Operating System Environment :

MS-DOS 6.22	Config.sys	Device=c:\dos\himem.sys dos=high,umb files=35 Buffers=40	Autoexec.bat	Prompt \$p\$g c:\dos\smartdrv.exe /x
-------------	------------	---	--------------	---

Test Result:

CPU Type \ Testing Utility	Pentium III 933/133	Pentium III 850/100	Celeron 766/66	Celeron 533/66	Unit
LandMark Speed 2.0					
CPU	5904.96	5377.69	4850.48	3374.19	MHz
FPU	20910	20910	12993.89	9112.94	MHz
VIDEO	12288	11170	8936	8936	Chs/ms
Coretest V3.02					
Average Seek Time	8.3	8.1	8.1	8.1	ms
Track-Track Seek	1.1	1.1	1.1	1.1	ms
DTR (Buffered Read)	9472	8400	7072	6848	KB/Sec
Performance ID	63	56.79	48.88	47.55	

B. Operating System Environment :

Windows 98	SE 4.10.2222A
Resolution, Depth	1024x768x16bits

Test Result:

CPU Type \ Testing Utility	Pentium III 933/133	Pentium III 850/100	Celeron 766/66	Celeron 533/66	Unit
WinBench 99 V1.1					
H.E. Graphic WinMark 99	844	735	606	445	MP/s
Business Graphic WinMark 99	228	194	163	138	TB/s
FPUmark	4960	4520	4090	2850	
CPUmark 99	81.7	70	48.4	35.8	
Final Reality V1.01—BenchMark Test					
2D image	7.36	5.66	4.73	4.50	
3D	5.80	5.23	4.27	4.02	
Bus transfer	6.43	4.74	4.13	3.84	
Overall	6.36	5.29	4.39	4.14	
3D Winbench 2000 V1.0(DirectX 7.0 1024X768X16bits)					
3D Winbench 2000 Processor Test	1.82	1.55	1.07	0.608	
Content Creation Winstone 2000 V1.0					

C.C. Winstone 2000	34.3	30.8	25.6	21.4	
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C. Operating System Environment :

Windows NT4.0 Workstation	
Resolution, Depth	1024x768x16bits

Test Result:

Testing Utility	CPU Type	Pentium III 933/133	Pentium III 850/100	Celeron 766/66	Celeron 533/66	Unit
WinStone 99 V1.3						
HighEnd WinStone 99		55.2	49	38.9	32.2	
Business Winstone 99		41.6	38	31.2	28.4	

7. O.S. Compatibility Test

A. O.S. Compatibility -Linux RedHat7.X**Platform Information:**

PCB Model & Version	PCM-6896 RevA0.3 BIOS Rev 1.1 04/17/2001
Kernel Version	2.2.16-22
CPU Type & FSB	Intel Celeron 800 100*8
Memory Type	NEC D45128841G5-A75-9JF 256MB PC133
Primary IDE Master	IBM DTLA-307030 30.7GB ATA100
Primary IDE Slave	TEAC CD540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815
LAN Card & Driver Version	OnBoard Intel 82562ET

Installation Software:

Installation	Result		Note
	Pass	Fail	
Linux 7.0 English	✓		
Linux 7.X Chinese(Optional)			

Test Result:

Test Item	Pass	Fail	Note
Installation to HDD			
Install from CD-ROM	✓		
Function Test			
LILLO Function	✓		
Network Function		✓	Driver not support
Base Function			
Reboot	✓		
Shutdown	✓		
Xf86config Setup			
Mouse setup	✓		
VGA setup	✓		
Monitor resolution setup	✓		
X Windows Application			
Xclock	✓		
Audio Function Test			
CD Play	✓		

**B. O.S. Compatibility & On_Board Network Test -Novell Network O.S./V 5.0
Platform Information(Client Site):**

PCB Model & Version	PCM-6896 Rev A0.3 BIOS 1.1 04/17/2001
CPU Type & FSB	Intel Celeron 466 66*7
Memory Type	NEC 64MB PC100 D4564841G5-A80-9JF/PC100
O.S.	MS-DOS 6.22
Primary IDE Master	W/D AC28400/ 8.4GB/ ATA66
Primary IDE Slave	TEAC CD-540E 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815E
LAN Card & Driver Version	OnBoard Intel 82562ET

Platform Information(Server Site):

PCB Model & Version	PCM-6896 Rev A0.3 BIOS 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	NEC 128MB PC100 D4564841G5-A80-9JF
O.S.	Novell V 5.0
Primary IDE Master	Seagate ST34520A/ 4.5GB/ ATA33
Primary IDE Slave	NEC BCD F541B 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
VGA Card	OnBoard Intel 82815E
LAN Card	OnBoard Intel 82562ET

HUB Type:

The Result:

Test Item	Pass	Fail	Note
Server Function Testing			
Install to IDE HDD	✓		
Boot File Server From HDD	✓		
Down & Exit	✓		
Data Transfer	✓		
Workstation Function Testing			
Login	✓		
Logout	✓		
Data Transfer	✓		
Network Function Testing			
Test Item	Pass	Fail	Note
Transceiver	✓		
Receiver	✓		
CRC error	✓		
Collision back-off generation	✓		
Auto-negotiation	✓		
Network Operation System Function Testing			
Test Item	Pass	Fail	Note
NetWare 5.0	✓		
Network Performance Testing			
Test Item	Pass	Fail	Note
NWTEST	✓		12 Hrs

Workstation Application Function Testing			
Test Item	Pass	Fail	Note

Dos 6.22 for IPXODI	✓		
Dos 6.22 for package driver	✓		
Transfer Data Between SRV And WK	✓		Mulity Task 12 Hrs(NOTE 1.)

Note : 1.Mulity Task is that transfers files(copy/verify/delet) and VCD in the same time

C. O.S. Compatibility-Windows 95

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 600 100*6

Memory Type	NEC 64MB PC100 D4564841G5-A80-9JF
Primary IDE Master	Maxtor 52049U4 20.4GB ATA66 7200RPM
Primary IDE Slave	SONY CDU4811 48X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
Monitor Type	ViewSonic P775
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Installation Software:

Installation	Result		Note
	Pass	Fail	
WIN95 English	✓		
WIN95 Chinese(Optional)			

VGA Driver Testing:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	✓	N/A	✓		
	256	✓	N/A	✓		
	16bits	✓	N/A	✓		
	24bits	✓	N/A	✓		
	32bits	N/A	N/A	N/A		
800X600	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1024X768	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1152X864	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1280X1024	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		

Test Results:

Test Item	Pass	Fail	Note
Installation From Storage Device			
Install to IDE HDD	✓		
DOC Device – Read / Write			
DOC 16 MB/ D800 Address	✓		
Boot			
Normal	✓		
Logged (\BOOTLOG.TXT)	✓		
Safe Mode	✓		
Step By Step Confirmation	✓		
Command Prompt Only	✓		
Safe Mode Command Prompt only	✓		
Previous version of MS-DOS	✓		
Function Test			
Serial Mouse	✓		
FDD Format/Copy/Read/Write	✓		
PS/2 Mouse	✓		
System Clock	✓		
Keyboard Function Test			
Alt+F4 Quit a Program	✓		
Ctrl+Esc Display the Start Menu	✓		
Alt+Tab Switch To Last Windows	✓		
Ctrl+Alt+Del Close Program	✓		
F8 Start up Boot Up Menu	✓		
F4 Boot Up from Previous	✓		
Shutdown			
Suspend	✓		
Shutdown the Computer	✓		
Shutdown Restart	✓		
Shutdown to MS-DOS Mode	✓		
Close all Prog. & Login Other User	✓		

D. O.S. Compatibility-Windows 98 SE**Platform Information:**

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 600 100*6
Memory Type	NEC 64MB PC100 D4564841G5-A80-9JF
Primary IDE Master	Maxtor 52049U4 20.4GB ATA66 7200RPM
Primary IDE Slave	SONY CDU4811 48X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
Monitor Type	ViewSonic P775
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Installation Software:

Installation	Result		Note
	Pass	Fail	
WIN98 SE English	✓		
WIN98 SE Chinese(Optional)			

VGA Driver Testing:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	✓	N/A	✓		
	256	✓	N/A	✓		
	16bits	✓	N/A	✓		
	24bits	✓	N/A	✓		
	32bits	N/A	N/A	N/A		
800X600	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1024X768	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1152X864	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1280X1024	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		

Test Results:

Test Item	Pass	Fail	Note
Installation From Storage Device			
Install to IDE HDD	✓		
DOC Device – Read / Write			
DOC 16 MB/ D800 Address	✓		
Boot			
Normal	✓		
Logged (\BOOTLOG.TXT)	✓		
Safe Mode	✓		
Step By Step Confirmation	✓		
Command Prompt Only	✓		
Safe Mode Command Prompt	✓		
Previous version of MS-DOS	✓		
Function Test			
Serial Mouse	✓		
FDD Format/Copy/Read/Write	✓		
PS/2 Mouse	✓		
USB Mouse/ Keyboard	✓		
IR Mode	✓		
System Clock	✓		
Keyboard Function Test			
Alt+F4 Quit a Program	✓		
Ctrl+Esc Display the Start Menu	✓		
Alt+Tab Switch To Last Windows	✓		
Ctrl+Alt+Del Close Program	✓		
F8 Start up Boot Up Menu	✓		
F4 Boot Up from Previous	✓		
Shutdown			
Standby	✓		
Shutdown the Computer	✓		
Shutdown Restart	✓		
Shutdown to MS-DOS Mode	✓		
Close all Prog. & Login Other User	✓		

E. O.S. Compatibility-Windows 98 ME**Platform Information:**

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM821V66841CT7J
Primary IDE Master	Maxtor 52049U4 ATA66 7200RPM
Primary IDE Slave	TEAC CD-540E/ 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
Monitor Type	ViewSonic E70
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Installation Software:

Installation	Result		Note
	Pass	Fail	
WIN ME English	✓		
WIN ME Chinese(Optional)			

VGA Driver Testing:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	✓	N/A	✓		
	256	✓	N/A	✓		
	16bits	✓	N/A	✓		
	24bits	✓	N/A	✓		
	32bits	N/A	N/A	N/A		
800X600	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1024X768	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1152X864	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1280X1024	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		

Test Results:

Test Item	Pass	Fail	Note
Installation From Storage Device			
Install to IDE HDD	✓		
DOC Device – Read / Write			
DOC 16 MB/ D800 Address	✓		
Boot			
Normal	✓		
Logged (\BOOTLOG.TXT)	✓		
Safe Mode	✓		
Step By Step	✓		
Function Test			
Serial Mouse	✓		
FDD Format/Copy/Read/Write	✓		
PS/2 Mouse	✓		
USB Mouse/ Keyboard	✓		
IR Mode	✓		
System Clock	✓		
Keyboard Function Test			
Alt+F4 Quit a Program	✓		
Ctrl+Esc Display the Start Menu	✓		
Alt+Tab Switch To Last Windows	✓		
Ctrl+Alt+Del Close Program	✓		
F8 Start up Boot Up Menu	✓		
F4 Boot Up from Previous	✓		
Shutdown			
Shutdown the Computer	✓		
Shutdown Restart	✓		
Shutdown to MS-DOS Mode	✓		
Close all Prog. & Login Other User	✓		

F. O.S. Compatibility & On_Board Network Test-Windows NT 4.0 Platform Information(Client Site):

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev1.1 04/17/2001
CPU Type & FSB	Celeron 433 66*6.5
Memory Type	HITACHI 64MB PC100 52648050DTTA60
O.S.	Windows NT4.0 Workstation 4.00.1381
Primary IDE Master	IBM DTLA-307045 46.1GB ATA100
Primary IDE Slave	NEC BCD F541B 52X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Switch HUB Type	Accton CheetahSwitch Desktop-3005 5 PORT 10/100 SWITCH
Backplane	N/A
Riser Card	N/A
Monitor Type	ViewSonic E70
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Platform Information(Server Site):

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM821V66841CT7J
O.S.	Windows NT4.0 Server 4.00.1381
Primary IDE Master	Maxtor 52049U4 ATA66 7200RPM
Primary IDE Slave	TEAC CD-540E/ 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Monitor Type	ViewSonic E70
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Installation Software:

Installation(With SP6)	Result		Note
	Pass	Fail	
WINDOWS NT4.0 Workstation English	✓		
WINDOWS NT4.0 Server English	✓		
WINDOWS NT4.0 Workstation Chinese(Optional)			
WINDOWS NT4.0 Server Chinese(Optional)			

VGA Driver Test:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	N/A	N/A	N/A		
	256	✓	N/A	✓		
	16bits	✓	N/A	✓		
	24bits	✓	N/A	✓		
	32bits	N/A	N/A	N/A		
800X600	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1024X768	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		

1152X864	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1280X1024	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		

Test Results:

Test Item	Pass	Fail	Note
Installation From CD/ROM			
Install to IDE HDD	✓		
DOC Device – Read / Write			
DOC 16MB			N/A
Boot			
Boot to Windows NT	✓		
Boot to MS-DOS	✓		
Last known good configuration	✓		
Original Configuration	✓		
Shutdown	✓		
Shutdown & Restart	✓		
CPU/Memory/File System			
Memory size less than 64MB	✓		
Memory size Larger than 64MB	✓		
Virtual memory	✓		
System tasking settings	✓		
FAT	✓		
NTFS	✓		
System clock	✓		
Task switching	✓		
Function Test			
Serial Mouse	✓		
FDD Format/Copy/Read/Write	✓		
PS/2 Mouse	✓		
System Clock	✓		
Keyboard Function Test			
CapLock,NumLock,ScrLock	✓		
Ctrl+Alt+Del	✓		
Ctrl+Esc,Alt+Tab/Esc/Space	✓		
Alt+Tab,Alt+Esc,Alt+Space	✓		
Ctrl+Alt+Pause/Print Screen	✓		
Ctrl+Alt+F1~F12	✓		
COM Port			
Serial Mouse	✓		
Security/Audit/Control			
User manager	✓		
Server manager	✓		
Disk administrator	✓		
Performance monitor	✓		
User profile editor	✓		
Event Viewer	✓		
Windows NT Diagnostics	✓		

Network Function Testing			
Test Item	Pass	Fail	Note
Transceiver	✓		
Receiver	✓		
CRC error	✓		
Collision back-off generation	✓		
Auto-negotiation	✓		
Network Operation System Function Testing			
Test Item	Pass	Fail	Note
Windows NT 4.0	✓		
Network Testing			
Test Item	Pass	Fail	Note
Connect to Neighborhood	✓		
Workstation Application Function Testing			
Test Item	Pass	Fail	Note
Windows 98 for NetBEUI	✓		
Windows 98 for TCP/IP	✓		
Windows NT 4.0 for NetBEUI	✓		
Windows NT 4.0 for TCP/IP	✓		
Transfer D Between SRV And WK	✓		Mulity Task 12 Hrs(NOTE 2.)

Platform Information:

PCB Model & Version	PCM-6896 Rev A0.. BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 850 100*8.5
Memory Type	LGS 128MB PC100 GM821V66841CT7J
Primary IDE Master	Seagate ST34520A 4.5GB ATA33 7200RPM
Primary IDE Slave	TEAC CD-540E-002-U 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
Monitor Type	ViewSonic E70
VGA Card & Driver Version	OnBoard Intel 82815E 4.12.01.2656
LAN Card & Driver Version	OnBoard Intel 82562ET 4.10.2222

Installation Software:

Installation(With SP6)	Result		Note
	Pass	Fail	
WINDOWS 2000 Professional English	✓		
WINDOWS 2000 Professional Chinese(Optional)			
WINDOWS 2000 Server Chinese(Optional)			

VGA Driver Testing:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
800X600	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1024X768	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1152X864	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		
1280X1024	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	✓	✓	✓		
	24bits	✓	✓	✓		
	32bits	N/A	N/A	N/A		

Test Results:

Test Item	Pass	Fail	Note
Installation From Storage Device			
Install to IDE HDD	✓		
DOC Device – Read / Write			
DOC 16MB			N/A
Windows 2000 Advanced Options Menu			
Safe Mode	✓		
Safe Mode with Networking	✓		
Safe Mode with Command Prompt	✓		
Enable Boot Logging	✓		
Enable VGA Mode	✓		
Last known Good Configuration	✓		
Directory Services Restore Mode (windows 2000 domain controllers only)	✓		
Debugging Mode	✓		
Boot Normally	✓		
Return to OS Choices Menu	✓		
Function Test			
Serial Mouse	✓		
FDD Format/Copy/Read/Write	✓		
PS/2 Mouse	✓		
USB Mouse/ Keyboard	✓		
IR Mode	✓		
System Clock	✓		
Keyboard Function Test			
Alt+F4 Quit a Program	✓		
Ctrl+Esc Display the Start Menu	✓		
Alt+Tab Switch To Last Windows	✓		
Alt+Esc Switch Windows	✓		
Ctrl+Alt+Del Windows Security Window	✓		
F8 Start up Windows 2000 Advanced Options Menu	✓		
Shutdown			
Log off User	✓		
Shut down	✓		
Restart	✓		

H. O.S. Compatibility-DOS and DOS Utility Compatibility Testing Platform Information:

PCB Model & Version	PCM-6896 Rev A0.3 BIOS Rev 1.1 04/17/2001
CPU Type & FSB	Pentium III 933/ 133
Memory Type	NEC D45128841G5-A75-95F/ PC-133/ 256MB
Primary IDE Master	IBM DTLA-307075/ 76.8GB/ ATA100
Primary IDE Slave	ASUS CD-S500/A/ 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
Riser Card	N/A
LAN Card & Driver Version	OnBoard Intel 82562ET

Test Results:

Test Item	Result		Note
	Pass	Fail	
Installation MS-DOS6.22 From FDD			
Install to IDE HDD	✓		
DOC Device – Read / Write			
DOC 16MB	✓		
DOS Commander			
MSD.COM	✓		
EDIT.COM	✓		
EMM386.EXE	✓		
HIMEN.SYS	✓		