QE Compatibility Test Report

Release No : SBC-776-P-01

Product Model	**SBC-776**
Product Description	Socket 370，Full-size CPU Card，with LCD，Panel Link，Dual Ethernet，Audio，SCSI，Micro AGP，SSD/Compact Flash，& 4 USB Ports

Test Reason	☑**New product**
	  ☑**PCB : SBC-776 Rev:A0.4**
	  ☑**BIOS: SBC-776 BIOS Rev:1.0 (07/08/2001)**
	
	☐**Renew product**
	  ☐**PCB :**
	  ☐**BIOS:**
	
	☐**Revision change**
	  ☐**PCB :**
	  ☐**BIOS:**
	  ☐**Component:**

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Issue date	**Manager**	**Assistant Manager**	**Test Engineer**

Summary of contents :

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
The test report would be tested and updated after version changed.

1. Dynamic / Boot_UP Burn_In Test

Platform Information:

PCB Model & Version	**SBC-776 Rev.A0.4**
CPU Type & FSB	**Pentium III IG/ 133**
Memory Type	**Infineon HYB39564800CT-75/ PC-133/ 128MB**
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 ☐4MB ☐8MB ■16MB ☐24MB ☐___MB**
VGA Card & Driver Version	**OnBoard Intel 82815 Ver.4.13.01.2797**
LAN Card & Driver Version	**OnBoard Intel 82559ER&Intel 82565ET**
Audio Chipset & Driver Version	**On Board ALC200/ Advance AC'97 Audio Rev.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 ^{o}C ~ 60 ^{o}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 ^{o}C (2 Hours)

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

Test Condition : Under Temperature 0 ^{o}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 ^{o}C (2 Hours)

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

Test Condition : Under Temperature 0 ^{o}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℃~60℃ (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℃].

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	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III IG/ 133
Memory Type	Infineon HYB39564800CT-75/ PC-133/ 128MB
Primary IDE Master	Fujitsu MPC3043AT-E/ 4.32GB/ ATA33
Primary IDE Slave	TEAC CD-540E/ 40X
Backplane	BP-214SG-P7 Rev.A0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01. 2797

A.System Clock & RTC Clock test

Test Points:

1.This test focuses on the system clock & RTC Clock accurately.

2.Setups verify: Verify the System Clock and RTC are marked number correctly during 24hrs at the screen.

3.Diagnostics: Setups BIOS RTC Timer to marked number 24hrs.

Setups System Clock on MS-DOS 6.22 /Win 98 to marked number 24hrs.

A-1. Environment Setting: MS-DOS 6.22

The Result: Under Temperature $0 \sim 60\ ^oC$(Option)

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

A-2. Environment Setting: Windows 98 SE

The Result: Under Temperature $0 \sim 60\ ^oC$(Option)

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

A-3. Environment Setting: MS-DOS 6.22

The Result: Under Room Temperature 25 ^oC

Item / Function		Test Times	Margin for error	Acturl error	Result		Note
					Pass	Fail	
System Clock		24 hrs	+/-5 sec	+1 Sec	✔		
RTC Clock	Static	24 hrs	+/-3 sec	0 Sec	✔		
	Dynamic	24 hrs	+/-3 sec	-1 Sec	✔		

B. Watchdog Timer test

Test Points:

1. Setups BIOS Watchdog Timer every typeTime-out interval.
2. Diagnostics: Can generate a system reset whether on setting time.
3. Attention --Watchdog-IRQ n .

The Result: Under Room Temperature [25℃] / DOS Mode .

Time-out interval	IRQ	Margin for error	Acturl	Result		Note
				Pass	Fail	
20 sec		+/-1 sec	20 Sec	✔		
30 sec		+/-1 sec	30 Sec	✔		
40 sec		+/-1 sec	40 Sec	✔		
1 min		+/-1 sec	1 min	✔		
2 min		+/-1 sec	2 min	✔		
4 min		+/-1 sec	4 min	✔		

3 . Power Consumption

Platform Information:

PCB Model & Version	**SBC-776 Rev.A0.4**
CPU Type & FSB	**Pentium III 1G/ 133**
Memory Type	**NEC D45128841G5-A75-9JF/ PC-133/ 256MB**
Floppy	**MITSUMI D353M3**
Backplane	**BP-214SG-P4 Rev.A1.0**
Riser Card	**N/A**
VGA Card & Driver Version	**OnBoard Intel 82815 Ver.4.13.01.2797**
Power Supply	**Seventeam / ST-250GL / 250W**

A. Operating System Environment :

DOS 6.22	**Config.sys**	**Device=c:\dos\himem.sys**
		dos=high,umb
		files=35
		Buffers=40
	Autoexec.bat	**Prompt pg**
		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
	PIII 1G 133FSB	**PIII 850 100FSB**	**Celeron 766 66FSB**	**Celeron 500 66FSB[.25u]**	
Normal Mode(+5V)	5.77	3.81	3.73	3.59	**Amp/ Max**
Suspend Mode(+5V)	1.35	1.02	1.03	1.07	**Amp/ Max**
Normal Mode(+12V)	0.21	0.24	0.24	2.67	**Amp/ Max**
Suspend Mode(+12V)	0.10	0.10	0.09	2.25	**Amp/ Max**
Normal Mode(+3.3V)	2.53	2.83	2.84	0.20	**Amp/ Max**
Suspend Mode(+3.3V)	2.41	2.27	2.27	0.10	**Amp/ Max**

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

Test Point:

    1.Play VCD 10 Minutes.

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**	4.85 V	4.85 V	✔		✔		
	5.25 V	5.33 V	5.33 V	✔		✔		
3.3V	**3.135V**	3.36 V	3.36 V	✔		✔		
	3.465V	3.36 V	3.36 V	✔		✔		
12 V	**11.4 V**	11.56 V	11.56 V	✔		✔		
	12.6 V	12.69 V	12.69 V	✔		✔		

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	SBC-776 Rev.A0.4
Memory Type	Infineon HYB39S64800CT-7.5/ PC133/ 128MB
O.S.	Windows NT 4.0 Workstation Ver.4.00.1381 with SP6
Primary IDE Master	Seagate ST320413A/ 20GB/ ATA100
Primary IDE Slave	NEC C&C-BCD F561B/ 52X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-241SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.03.1381.2797

Test Result:

OS	CPU Type	Host Bus CLK	Test Item	Result Pass	Result Fail	Note
Windows NT 4.0 SP6	Pentium III 1G	133MHz	CPU CMOS Message	✔		
			HCT System Stress	✔		
	Pentium III 933	133MHz	CPU CMOS Message	✔		
			HCT System Stress	✔		
	Pentium III 850	100MHz	CPU CMOS Message	✔		
			HCT System Stress	✔		
	Pentium III 750	100MHz	CPU CMOS Message	✔		
			HCT System Stress	✔		
	Celeron 766 [.18u]	66MHz	CPU CMOS Message	✔		
			HCT System Stress	✔		
	Celeron 633 [.18u]	66MHz	CPU CMOS Message	✔		
			HCT System Stress	✔		
	Celeron 533 [.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	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 933/ 133
O.S.	Windows NT 4.0 Workstation Ver.4.00.1381
Primary IDE Master	Seagate ST320413A/ 20GB/ ATA100
Primary IDE Slave	NEC C&C-BCD F561B/ 52X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.03.1381.2797

Memory List:

Item	Brand	DRAM TYPE	Total Size
1	Infineon	HYB39S64800CT-7.5/ PC133	128MB
2	NANYA	NT56V6620C0T-75/ PC-133	64MB
3	NEC	D45128841G5-A75-9JF/ PC-133	256MB
4	NEC	D45128841G5-A10-9JF/ PC-100	256MB
5	NEC	D4564841G5-A80-9JF/ PC-125	128MB
6	NEC	D4564841G5-A10-9JF/ PC-100	128MB
7	NEC	D4564841G5-A10-9JF/ PC-100	64MB
8	NEC	D4564163G5-A10B-9JF/ PC-100	64MB
9	NEC	D4564841G5 A80-9JF/ PC-125	64MB
10	NEC	D4564841G5-A80-9JF/ PC-100	64MB
11	Hitachi	5264805DTTA60/ PC-100	64MB
12	Hyndai	HY57V658020 TC-10/ PC-100	128MB
13	Hyndai	HY57V1291620 LTC-10S/ PC-100	64MB
15	LGS	GM72V661641CT7J/ PC-100	64MB
16	NEC	D4516821AG5-A10-9NF/ PC-100	32MB

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 2(1)	✔		
DIMM 3(1)	✔		
DIMM 1(1)+DIMM 2(1)+DIMM 3(1)			
DIMM 1(2)			
DIMM 2(2)			
DIMM 3(2)			
DIMM 1(2)+DIMM 2(2)+DIMM 3(2)			
DIMM 1(3)	✔		
DIMM 2(3)	✔		
DIMM 3(3)	✔		
DIMM 1(3)+DIMM 2(3)+DIMM 3(3)			
DIMM 1(4)	✔		
DIMM 2(4)	✔		
DIMM 3(4)	✔		

DIMM 1(4)+DIMM 2(4)+DIMM 3(4)			
DIMM 1(5)			
DIMM 2(5)			
DIMM 3(5)			
DIMM 1(5)+DIMM 2(5)+DIMM 3(5)			
DIMM 1(6)			
DIMM 2(6)			
DIMM 3(6)			
DIMM 1(6)+DIMM 2(6)+DIMM 3(6)			
DIMM 1(7)			
DIMM 2(7)			
DIMM 3(7)			
DIMM 1(7)+DIMM 2(7)+DIMM 3(7)			
DIMM 1(8)			
DIMM 2(8)			
DIMM 3(8)			
DIMM 1(8)+DIMM 2(8)+DIMM 3(8)			
DIMM 1(9)			
DIMM 2(9)			
DIMM 3(9)			
DIMM 1(9)+DIMM 2(9)+DIMM 3(9)			
DIMM 1(10)	✔		
DIMM 2(10)	✔		
DIMM 3(10)	✔		
DIMM 1(10)+DIMM 2(10)+DIMM 3(10)			
DIMM 1(11)			
DIMM 2(11)			
DIMM 3(11)			
DIMM 1(11)+DIMM 2(11)+DIMM 3(11)			
DIMM 1(12)			
DIMM 2(12)			
DIMM 3(12)			
DIMM 1(12)+DIMM 2(12)+DIMM 3(12)			
DIMM 1(13)			
DIMM 2(13)			
DIMM 3(13)			
DIMM 1(13)+DIMM 2(13)+DIMM 3(13)			
DIMM 1(14)			
DIMM 2(14)			
DIMM 3(14)			
DIMM 1(14)+DIMM 2(14)+DIMM 3(14)			
DIMM 1(15)			
DIMM 2(15)			
DIMM 3(15)			
DIMM 1(15)+DIMM 2(15)+DIMM 3(15)			
DIMM 1(16)			No supported
DIMM 2(16)			No supported
DIMM 3(16)			No supported
DIMM 1(16)+DIMM 2(16)+DIMM 3(16)			No supported

C.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	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 1G/ 133
Memory Type	NEC D45128841G5-A75-95F/ PC133/ 256MB
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Fujitsu MPC3043AT-E/ 4.32GB/ ATA33
Primary IDE Slave	TEAC CD-540E/ 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P7 Rev.A.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER&INTEL 82565ET
Game Joystick	N/A

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	Dynamic	✔		
	Condenser	✔		
MIC Sound Recorder	Dynamic	✔		
	Condenser	✔		
Game Port		N/A		Fly Joystick (Avant Garde Rockfire K5MQF-606i)
Play VCD 10mins		✔		

D.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	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 750/ 100
Memory Type	NEC D4564841G5-A10-9JF/ PC-100/ 128MB
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Quantum K13600AT/ 13GB Fireball/ ATA66
Primary IDE Slave	ASUS CD-S500/A/ 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER&INTEL 82565ET

The Result:

Adapter Card VGA Card	Dual Display		Install Driver		Play VCD for least 10 Min		Note
	pass	fail	Pass	Fail	Pass	Fail	
ET-4000AX			✔		✔		ISA
3D Blaster Savage4	✔		✔		✔		PCI
LEMEL S3 TRIO64V2-DX/ GX			✔		✔		PCI

Adapter Card Sound Card	Install Driver		Play VCD for least 10 Min		Note
	Pass	Fail	Pass	Fail	
Creative SB16 PNP/ CT2980	✔		✔		ISA
Creative AUDIO	✔		✔		PCI
Creative CT4170	✔		✔		PCI
LEMEL ESS ES1868F 3D/ 16 PnP	✔		✔		ISA

Adapter Card SCSI Card	Install Driver		Play VCD for least 10 Min		Note
	Pass	Fail	Pass	Fail	
AHA-2940U	✔		✔		PCI
AHA-1520B	✔		✔		ISA

Adapter Card Modem Card	Install Driver		Connect to Internet		Note
	Pass	Fail	Pass	Fail	
GVC F2000 56K/ V.90 D/ FAX/ MODEN	✔		✔		PCI
LEMEL 33.6 FAX/ MODEM	✔		✔		External
Genuine GM56-AMI2019	✔		✔		PCI
Cyber Lander 2000 56K	✔		✔		External

Adapter Card LAN Card	Install Driver		Play VCD for least 10 Min		Note
	Pass	Fail	Pass	Fail	
Switch HUB Type	LEMEL LM-S5 4-Port 10/ 100 Switch HUB				
D-Link DFE-530TX PCI (10/ 100Mbps)	✔		✔		PCI
D-Link DFE-540TX PCI (10/ 100Mbps)	✔		✔		PCI
Intel PILA 8465 (10/ 100Mbps)	✔		✔		PCI
Intel SB82559 (10/ 100Mbps)	✔		✔		PCI
RTL-8139B (10/ 100Mbps)	✔		✔		PCI
3COM 3C905B-TX (10Mbps)	✔		✔		ISA

Adapter Card Other Card	Install Driver		Play VCD for least 10 Min		Note
	Pass	Fail	Pass	Fail	
YUAN/聰泰 DVD MPEG-2 MPEG Card	✔		✔		PCI
UPMOST 1394 CardBus + FireWire 3.5 HardDisk Enclosure					In O.S. WIN98 SE/ 98ME/ 2000 Support

E.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	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 600/ 100
Memory Type	D4564841G5-A80-9JF/ PC-125/ 128MB
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Quantum K13600AT/ 13GB Fireball/ ATA66
Primary IDE Slave	NEC C&C-BCD F561B/ 52X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER&INTEL 82565ET

Peripheral Compatibility-HDD / CDROM Device:

HDD Device	CMOS Message		Booting Up		Read/Write		Play VCD		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	
Fujitsu MPC3043AT-E/ 4.32GB/ ATA33	✔		✔		✔		✔		
Fujitsu MPE3136AH/ 13.6GB/ ATA66	✔		✔		✔		✔		
IBM DTLA-307075/ 76.8GB/ ATA100	✔		✔		✔		✔		
IBM DTLA-307045/ 46.1GB/ ATA100	✔		✔		✔		✔		
Maxtor 94098U8/ 40GB/ ATA66	✔		✔		✔		✔		
Maxtor 51536U3/ 15.3GB/ ATA66	✔		✔		✔		✔		
Maxtor 54610H6/ 46.1GB/ ATA100	✔		✔		✔		✔		
Quantum K13600AT/ 13GB Fireball/ ATA66	✔		✔		✔		✔		
Seagate ST320413A/ 20GB/ ATA100	✔		✔		✔		✔		
W/D AC28400/ 8.4GB	✔		✔		✔		✔		
W/D AC26400/ 6.4GB/ ATA66	✔		✔		✔		✔		
Seagate U2W-SCSI ST34520LW/ 4.55GB	✔		✔		✔		✔		
Seagate UW-SCSI ST34520W/ 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	✔		✔		✔		✔		
ASUS CD-S500/A/ 50X	✔		✔		✔		✔		
TEAC CD-540E/ 40X	✔		✔		✔		✔		
CREATIVE CD4834E/ 48X	✔		✔		✔		✔		
CREATIVE DVD1240E/ 12X/ DVD-ROM	✔		✔		✔		✔		
Acer DVP 1640A/ DVD-ROM	✔		✔		✔		✔		
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 94098U8/ 40GB/ ATA66	✔		✔		✔		✔		
P2 Quantum K13600AT/ 13GB Fireball/ ATA66	✔		✔		✔		✔		
S1 N/A									
S2 N/A									

E-1.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	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 933/ 133
Memory Type	Infineon HYB39S64800CT-7.5/ PC133/ 128MB
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	As below
Primary IDE Slave	ASUS CD-S500/A/ 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.a1.0
Riser Card	N/A

Drivers Information:

AGP Driver & Driver Version	N/A
IDE Driver & Driver Version	Intel Ultra Storage Driver Ver.6.2
LAN Driver & Driver Version	Intel 82559ER & Intel 82562ET
SCSI Driver & Driver Version	AdvanSys Wide Driver 3.2E
Audio Driver & Driver Version	ALC200/ Advance AC'97 Audio Rev.5.12.01.2204
VGA Driver & Driver Version	Intel 82815 Ver.4.13.01.2797
DirectX Version	DirectX 7.0(4.07.00.0700)

The Result:

Device Model / Test Item	PROMISE Ultra 100		Note
	ATA/ 66	ATA/ 100	
	Maxtor 94098U8 40GB	Maxtor 54610H6 46.1GB	
Winbench 99 v1.1			
Business Disk WinMark 99	7990	10200	
High-End Disk WinMark 99	16100	21800	
Disk Access Time (ms)	10.5	10	
Disk CPU Utilization (percent used)	1.46	1.57	
Disk Transfer Rate: Beginning (kB/s)	24900	31900	
Disk Transfer Rate: End (kB/s)	25900	33100	
Disk Playback/Bus Overall	7990	10200	
Disk Playback/HE Overall	16100	21800	
Avs/Express 3.4	8000	14100	
FrontPage 98	87200	103000	
MicroStation SE	21300	26100	
Photoshop 4.0	8710	10800	
Premiere 4.2	18600	23100	
Sound Forge 4.0	28500	33900	
Visual C++ 5.0	21100	27300	
Disk Playback/Removable Media	3920	4930	
Coretest V3.02(MS-DOS Mode)			
D Transfer Rate (KB/Sec)	59200	22352	
Average Seek Time (ms)	5.7	7.6	
Track-Track Seek (ms)	1.1	1.1	
Performance Index	N/A	N/A	

RAID Test:

RAID Function	Result		Note
	Pass	Fail	
RAID 0(Striping)	✔		**ABIT HotRod™ 100 Pro**
RAID 1(Mirror)	✔		**ABIT HotRod™ 100 Pro**

F .USB Function Test

Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 850/ 100
Memory Type	NEC D45128841G5-A75-95F/ PC-100/ 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	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER&Intel 82565ET

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)	✔		
	USB1(1)+ USB2(3)+ USB3(6)	✔		
	USB2(2)+ USB3(4)+ USB4(5)	✔		
	USB1(3)+ USB2(4)+ USB3(5)+ {USB4(8)+ USB(1)+ USB(2)+ USB(6)+ USB(7)}	✔		
	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)	✔		
	USB1(1)+ USB2(5)+ USB3(6)	✔		
	USB2(2)+ USB3(4)+ USB4(5)			
	USB1(3)+ USB2(4)+ USB3(5)+ {USB4(8)+ USB(1)+ USB(2)+ USB(6)+ USB(7)}			
	Enable/Disable USB Drive	✔		
	OS Rebooting Test	✔		

G.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	✔		

H. I/O Peripheral Test
Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 600/ 100
Memory Type	NANYA NT56V6620C0T-75/ PC-133/ 64MB
Primary IDE Master	Quantum K13600AT/ 13GB Fireball/ ATA66
Primary IDE Slave	TEAC CD-540E/ 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER&Intel 82565ET

Environment Setting:

Operating System	Windows 98 SE 4.10.2222A MS-DOS 6.22

The Result:

I/O	Pass	Fail	Not support	Note
FDD Driver A:	✔			
FDD Driver B:	✔			
Primary IDE Master	✔			
Primary IDE Slave	✔			
Secondary IDE Master	✔			
Secondary IDE Slave				N/A
COM 1	✔			
COM 2-232	✔			
COM 3				N/A
COM 4				N/A
COM 2-422	✔			
COM 2-485	✔			
PS/2 MOUSE	✔			
LPT 1	✔			
LPT 2				N/A
SIR/ 115Kbps				N/A
FIR/ 4M bps				N/A
DIO				N/A
DOC	✔			
Compact Flash	✔			
Function	Pass	Fail	Not support	Notes
H/w Reset	✔			
Speaker	✔			
Buzzer	✔			
Keyboard Lock				N/A
HDD LED	✔			
Power LED	✔			
SCSI LED	✔			
Suspend LED	✔			
Ext. K/B Connector	✔			
ATX Power button	✔			
CPU FAN Connector	✔			
Watchdog –Reset	✔			
Watchdog –IRQ n				N/A
LAN LED	✔			

I.Peripheral Compatibility- Storage Device

Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Celeron 500/ 66
Memory Type	Hyndai HY57V1291620 LTC-10S/ PC-100/ 64MB
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Quantum K13600AT/ 13GB Fireball/ ATA66
Primary IDE Slave	TEAC CD-540E/ 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER&Intel 82565ET

Device List:

Device item		Booting Pass	Booting Fail	Format Pass	Format Fail	Read/Write Pass	Read/Write Fail	Programming Pass	Programming Fail	Note
ZIP 100 [IDE]		✔		✔		✔		✔		
LS 120 [IDE]		✔		✔		✔		✔		
DOC 2000	16MB									
	MB									
DOC 2000	C800H			✔						1
16MB	D000H	✔		✔		✔		✔		
Memory	D400H	✔		✔		✔		✔		
Segment	D800H	✔		✔		✔		✔		
	DC00H	✔		✔		✔		✔		
	CE00H	✔		✔		✔		✔		
	E000H									2
	Disable	✔		✔		✔		✔		
Compact	340MB	✔		✔		✔		✔		TYPE II
Flash	32MB	✔		✔		✔		✔		TYPE I

Note: 1.C800H 已被其他 Device 佔去, 故 DOC 無法佔用
      2.E000H 已被其他 Device 佔去, 故 DOC 無法佔用

J. Adapter Compatibility- Industry Control Card / PC104 PLUS Modules (N/A Function)

Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	
Memory Type	
O.S.	
Primary IDE Master	
Primary IDE Slave	
Secondary IDE Master	
Secondary IDE Slave	
Backplane	
Riser Card	
VGA Card & Driver Version	
LAN Card & Driver Version	

Device List: PC/104 PLUS Module

Device item	Booting/ Format		Read/Write		Programming		+/- 12V; +/- 5V		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	

K. On-Board SCSI Function Test
Test Points:
    1.This test emphasizes on SCSI 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 SCSI ID Address detect item then reboot 10 times.

Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 933/ 133
Memory Type	NEC D45128841G5-A75-95F/ PC-133/ 256MB
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	Quantum K13600AT/ 13GB/ ATA66
Primary IDE Slave	NEC C&C-BCD F561B/ 52X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	N/A
On-Board SCSI Module	N/A
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER&Intel 82565ET

Device List:

Device item	Booting		Format		Read / Write		Programming		Note
	Pass	Fail	Pass	Fail	Pass	Fail	Pass	Fail	
RICOH MP7060S / 24X / SCSI-CDROM	✔		✔		✔		✔		1
Seagate ST34520LW / 4.55GB / U2W-SCSI	✔		✔		✔		✔		
Seagate ST34520W / 4.55GB / UW-SCSI	✔		✔		✔		✔		
Fujitsu MAH3091MP / 9.1GB / Ultra160 / LVD									2

Note: 1.Connect to Ultra Wide SCSI Card

    2.No Supported

5 . System Integer Application Test

Test Points:
1.On Board I/O Function is embedded on PCB ; Adapter I/O Function is externel device.
2.Pluging in all of the onboard 、 riser card and backplane slots to test the system integer application.

Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 850/100
Memory Type	NEC D45128841G5-A75-95F/ PC-133/ 256MB
O.S.	Windows 98 SE 4.10.2222A
Primary IDE Master	W/D AC28400 8.4GB
Primary IDE Slave	ASUS CD-S500/A/ 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER&Intel 82565ET

System integer aqpplication Test (Burn-In 8 Hrs):

On Board I/O Function	PCI / ISA	Installation Pass	Fail	Function Pass	Fail	Multi Pass	Fail	Note
FLOPPY-A		✔		✔		✔		Panasonic JU-257A606P
FLOPPY-B		✔		✔		✔		MITSUMI-D353M3
USB-1		✔		✔		✔		HP Photo Smart P1000
USB-2		✔		✔		✔		HP SJ4200C
USB-3		✔		✔		✔		Chic USB Mouse
USB-4		✔		✔		✔		LEMEL 7932
IDE-1		✔		✔		✔		IBM DTLA-307075/76.8GB
COM1		✔		✔		✔		LEMEL MD-336RSVD
COM2		✔		✔		✔		Rock Modem Cyber Lander 2000
LPT1		✔		✔		✔		Imega ZIP
Compact Flash		✔		✔		✔		IBM DMDM-10340/ 340MB
DOC		✔		✔		✔		M-System DOC 2000/ 16MB
SCSI		✔		✔		✔		Seagate ST32155W/ 2.15GB
Adapter I/O Function	PCI / ISA	Installation Pass	Fail	Function Pass	Fail	Multi Pass	Fail	Note
ET-4000AX	ISA	✔		✔		✔		
Creative CT4170	PCI	✔		✔		✔		
AHA-2940U	PCI	✔		✔		✔		
Genuine GM56-AMI2019	PCI	✔		✔		✔		
RTL-8139B(10/100Mbps)	PCI	✔		✔		✔		

6 . BIOS Function Test

Platform Information:

PCB Model & Version	**SBC-776 Rev.A0.4**
CPU Type & FSB	**Pentium III 750/ 100**
Memory Type	**NEC D45128841G5-A10-9JF/ PC-100/ 256MB**
Primary IDE Master	**Fujitsu MPC3043AT-E/ 4.32GB/ ATA33**
Primary IDE Slave	**ASUS CD-S500/A/ 50X**
Secondary IDE Master	**N/A**
Secondary IDE Slave	**N/A**
Backplane	**BP-214SG-P4 Rev.A1.0**
Riser Card	**N/A**
VGA Card & Driver Version	**OnBoard Intel 82815 Ver.4.13.01.2732**
LAN Card & Driver Version	**OnBoard Intel 82559ER&Intel 82565ET**

A. Y2K Test:

Y2K Software Test	**Result**		**Note**
	Pass	**Fail**	
TEST2000.EXE	✔		
Y2KEYE.EXE(Option)	✔		

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	✔				
Secondary Slave					**N/A**
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:	✔		
HDD-3:	✔		
ZIP	✔		
LAN [Boot From LAN First]			

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

Test Item	Time	Result		Note
		Pass	**Fail**	
Normal Mode	1 Min	✔		
Suspend Mode	1 Min	✔		
Power Button	Delay 4 Sec	✔		
Power Button	Instant-Off	✔		

D-2.ACPI Power Manager Test:

Test Item	Result		Note
	Pass	**Fail**	
S1(Suspend to RAM)	✔		
S3(Suspend to DISK)			N/A

Note:Supported only ATX Power.

D-3.Power On Function Test:

Test Item	Result		Note
	Pass	**Fail**	
Password	✔		
Hot KEY	✔		
MOUSE Left	✔		Use two key Mouse
MOUSE Right	✔		Use two key Mouse
Any KEY	✔		
BUTTON ONLY	✔		
Keyboard 98	✔		
Power on Ring	✔		

D-4.Wake Up Event Test:

Test Item	Result		Note
	Pass	**Fail**	
Wake On LAN			N/A
Wake On Ring	✔		
Resume by Alarm	✔		

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 Novell 4.11			HP ProCurve Switch 2224 [HP J4095A] HUB
Boot ROM to NT Server 4.0			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	✔		✔		
COM 3					
3E8 / IRQ10					N/A
2E8 / IRQ5					N/A
3F8 / IRQ10					N/A
2F8 / IRQ5					N/A
AUTO					N/A
Disable					N/A
COM 4					
3E8 / IRQ10					N/A
2E8 / IRQ5					N/A
3F8 / IRQ10					N/A
2F8 / IRQ5					N/A
AUTO					N/A
Disable					N/A

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)	✔		✔		
LPT2					
278 /IRQ5(ECP+EPP/DMA3)					N/A
3BC/IRQ7(ECP+EPP/DMA3)					N/A
378 /IRQ7(ECP+EPP/DMA3)					N/A
Disable					N/A

LPT2 Mode				
ECP+EPP (278 / IRQ5)				N/A
SPP (278 / IRQ5)				N/A
EPP (278 / IRQ5)				N/A
ECP (278 / IRQ5)				N/A
LPT2 DMA Channel				
DMA3 (ECP+EPP 278 / IRQ5)				N/A
DMA1 (ECP+EPP 278 / IRQ5)				N/A

I. Hardware Monitor Test:

Hardware Monitor Test	Result		Note
	Pass	Fail	
Current System Temp	✔		~50℃
Current CPU1 Temp	✔		~48℃
Current CPUFAN1 Speed	✔		~5272rpm
Current CPUFAN2 Speed	✔		~5152rpm
Current CPUFAN3 Speed	✔		~5374rpm
IN0(V)	✔		1.69V
IN1(V)	✔		1.47V
IN2(V)	✔		3.31V
+5V	✔		4.94V
+12V	✔		12.16V
- 12V	✔		-11.70V
- 5V	✔		-5.09V
VBAT(V)	✔		3.26V
5VSB(V)	✔		4.89V

Note: 1. CPUFAN1, 2, 3接上本公司出廠鋁製風扇才有轉速顯示, 當接上Intel原廠風扇時則沒有轉速顯示

7 . Performance Test

Platform Information:

PCB Model & Version	**SBC-776 Rev.A0.4**
Memory Type	**Infineon HYB39S64800CT-7.5/ PC133/ 128MB**
Primary IDE Master	**Maxtor 54610H₆/ 46.1GB/ ATA100**
Primary IDE Slave	**TEAC CD-540E/ 40X**
Secondary IDE Master	**N/A**
Secondary IDE Slave	**N/A**
Backplane	**BP-214SG-P4 Rev.A1.0**
Riser Card	**N/A**

Drivers Information:

AGP Driver & Driver Version	**N/A**
IDE Driver & Driver Version	**As Windows 98SE&NT4.0 Workstation O.S.**
LAN Driver & Driver Version	**Intel 82559ER & Intel 82562ET**
SCSI Driver & Driver Version	**As Windows 98SE&NT4.0 Workstation O.S.**
Audio Driver & Driver Version	**As Windows 98SE&NT4.0 Workstation O.S.**
VGA Driver & BIOS	**As Windows 98SE&NT4.0 Workstation O.S.**
DirectX Version	**DirectX 7.0(4.07.00.0700)(in Windows 98SE)**

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 pg** **c:\dos\smartdrv.exe /x**

Test Result:

CPU Type / Testing Utility	Pentium III 1G/133	Pentium III 933/100	Pentium III 850/100	Celeron 766/66	Celeron 533/66	Unit
LandMark Speed 2.0						
CPU	6326.76	5904.96	5377.69	4850.48	3374.22	**MHz**
FPU	41820	20910	13495.17	12172.08	8532.041	**MHz**
VIDEO	12288	12288	11170	8936	8936	**Chr/ms**
Coretest V3.02						
DTR (Buffered Read)	9504	9440	8384	7056	6832	**KB/Sec**
Average Seek Time	7.7	8.0	7.6	8.2	8.3	**ms**
Track-Track Seek	1.1	1.1	1.1	1.1	1.1	**ms**
Performance ID	63.71	63.06	57.13	48.70	47.29	

B. Operating System Environment :

Windows 98	SE 4.10.2222A
Resolution, Depth	1024x768x16bits

Test Result:

CPU Type / Testing Utility	Pentium III 1G/ 133	Pentium III 933/ 100	Pentium III 850/ 100	Celeron 766/ 66	Celeron 533/ 66	Unit
WinBench 99 V1.1						
H.E. Graphic WinMark 99	891	848	730	596	442	MP/s
Business Graphic WinMark 99	226	227	185	157	134	TB/s
FPUmark	5350	4990	4520	4090	2850	
CPUmark 99	85	81.8	68.2	46	36.1	
Final Reality V1.01—BenchMark Test						
2D image	7.41	7.14	5.46	4.66	4.11	
3D	5.97	5.82	5.35	4.38	3.90	
Bus transfer	8.48	8.27	6.00	4.76	4.12	
Overall	6.78	6.58	5.48	4.52	4.00	
AGP test results (16.0Mb)	N/A	N/A	N/A	N/A	N/A	
3D Winbench 99 V1.2						
3D WinMark	311	310	274	264	260	Mips
3D Winbench 2000 V1.0(DirectX 7.0 1024X768X16bits) [Least 120MB Memory In O.S. WIN98 & 2K Support]						
3D Winbench 2000 Processor Test	1.91	1.81	1.52	1.05	0.601	
Content Creation Winstone 2000 V1.0						
C.C. Winstone 2000	35.3	34.1	30.5	25.2	21	

C. Operating System Environment :

Windows NT4.0 Workstation	4.00.1381
Resolution, Depth	1024x768x16bits

Test Result:

CPU Type / Testing Utility	Pentium III 1G/ 133	Pentium III 933/ 100	Pentium III 850/ 100	Celeron 766/ 66	Celeron 533/ 66	Unit
WinStone 99 V1.3						
HighEnd WinStone 99	56.9	54.9	48.9	38.9	32.5	
Business Winstone 99	45.6	44.8	40.5	33.5	29.9	

8 . O.S. Compatibility Test

A. O.S. Compatibility -Linux RedHat6.X
Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
Kernel Version	2.2.14
CPU Type & FSB	Pentium III 600/ 100
Memory Type	NEC D4564841G5-A80-9JF/ PC-125/ 64MB
Primary IDE Master	Fujitsu MPC3043AT-E/ 4.32GB/ ATA33
Primary IDE Slave	ASUS CD-S500/A/ 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
VGA Card & Driver Version	OnBoard Intel 82815 Ver.
LAN Card & Driver Version	OnBoard Intel 82559ER & Intel 82562ET

Installation Software:

Installation	Result		Note
	Pass	Fail	
Linux 6.X English	✔		
Linux 6.X Chinese(Option)			

Test Result:

Test Item	Pass	Fail	Note
Installation to HDD			
Install from CD-ROM	✔		
Funtion Test			
LILO Funtion	✔		
Ping IP Address			
Telnet IP Address			
Base Funtion			
Reboot	✔		
Shutdown	✔		
Xf86config Setup			
Mouse setup			
VGA setup			
Monitor resolution setup			
X Windows Application			
Xclock			
Netscape 4.05			

B. O.S. Compatibility-Novell Network O.S./V 4.11
Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 850/100
Memory Type	NEC D4564163G5-A10B-9JF/ PC-100/ 64MB
Primary IDE Master	Maxtor 51536U3/ 15.3GB/ ATA66
Primary IDE Slave	TEAC CD-540E/ 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
LAN Card & Driver Version	OnBoard Intel 82559ER & Intel 82562ET

The Result:

Test Item	Pass	Fail	Note
Server Function Testing			
Install to IDE HDD		✔	
Boot File Server From HDD			
Down & Exit			
D Transfer			
Client Function Testing			
Login			
Logout			
D Transfer			
Client to Server			

Note: 1.Dual LAN no supported NOVELL 4.11 system.
       2.Only Intel 82562ET can login NOVELL system.

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

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Celeron 533/66
Memory Type	NEC D4564163G5-A10B-9JF/ PC-100/ 64MB
Primary IDE Master	Maxtor 51536U3/ 15.3GB/ ATA66
Primary IDE Slave	TEAC CD-540E/ 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
HP Switch HUB	LEMEL LM-F4S
Backplane	BP-214SG-P7 Rev.A0
Riser Card	N/A
LAN Card & Driver Version	OnBoard Intel 82559ER & Intel 82562ET

Platform Information(Server Site):

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Celeron 766/ 66
Memory Type	Infineon HYB39564800CT-75/ PC-133/ 128MB
O.S.	Novell V 5.0
Primary IDE Master	Seagate ST320413A/ 20GB/ 100
Primary IDE Slave	ASUS CD-S500/A/ 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
LAN Card	OnBoard Intel 82559ER & Intel 82562ET

The Result:

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

Client Application Function Testing			
Test Item	Pass	Fail	Note
Dos 6.22 for IPXODI	✔		
Dos 6.22 for package driver	✔		
Transfer D 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
2.Only Intel 82562ET supported NOVELL 5.0 system.

D. O.S. Compatibility-Windows 95
Platform Information:

PCB Model & Version	**SBC-776 Rev.A0.4**
CPU Type & FSB	**Pentium III 1G/133**
Memory Type	**Infineon HYB39564800CT-75/ PC-133/ 128MB**
Primary IDE Master	**Fujitsu MPC3043AT-E/ 4.32GB/ ATA33**
Primary IDE Slave	**ASUS CD-S500/A/ 50X**
Secondary IDE Master	**N/A**
Secondary IDE Slave	**N/A**
Backplane	**BP-214SG-P4 Rev.A1.0**
Riser Card	**N/A**
Monitor Type	**ADI MicroScan 17X**
VGA Card & Driver Version	**OnBoard Intel 82815 Ver.4.13.01.2797**
LAN Card & Driver Version	**OnBoard Intel 82559ER & Intel 82562ET**
Audio Card & Driver Version	**OnBoard Avance AC'97 Audio Ver.4.05.00.3060**

Installation Software:

Installation	Result		Note
	Pass	**Fail**	
WIN95 English	✔		**Windows 95 4.00.950 B**
WIN95 Chinese(Option)			

VGA Driver Testing:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	N/A	N/A	✔		
	256	N/A	N/A	✔		
	16bits	N/A	N/A	✔		
	24bits	N/A	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		
1600X1200	16	N/A	N/A	N/A		
	256	✔	✔	✔		
	16bits	N/A	N/A	N/A		
	24bits	N/A	N/A	N/A		
	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 / Address:D400:000	✔		1
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	✔		

Note: 1. **DOC Address E000H, C800H can't be detected..R&D**回覆每一個**Project** 的**DOC design**，都是類似的方式,**OS** 無法**detect DOC**的佔用位址，所以只能在**OS** 系統裡面看哪一段**Address**,如無其他**DEVICE**使用時,**DOC** 才能去用它**!!**

2. **It has an** exclamation mark **under Avance AC'97 Audio of device manager, but the Audio function is correctly.**

3. **ATA/100 isn't supported under Windows 95**

4. **USB isn't support under Windows 95 4.00.950 B**

E. O. S. Compatibility-Windows 98 SE
Platform Information:

PCB Model & Version	**SBC-776 Rev.A0.4**
CPU Type & FSB	**Pentium III 750/ 100**
Memory Type	**NEC D4564841G5-A80-9JF/ PC-100/ 64MB**
Primary IDE Master	**Fujitsu MPC3043AT-E/ 4.32GB/ ATA33**
Primary IDE Slave	**TEAC CD-540E/ 40X**
Secondary IDE Master	**N/A**
Secondary IDE Slave	**N/A**
Monitor Type	**ADI MicroScan 17X**
Backplane	**BP-214SG-P7 Rev.A0**
Riser Card	**N/A**
VGA Card & Driver Version	**OnBoard Intel 82815 Ver.4.13.01.2797**
LAN Card & Driver Version	**OnBoard Intel 82559ER&Intel 82565ET**
Audio Card & Driver Version	**OnBoard Avance AC'97 Audio Ver.5.12.01.2204**

Installation Software:

Installation	Result		Note
	Pass	**Fail**	
WIN98 SE English	✔		
WIN98 SE Chinese(Option)			

VGA Driver Testing:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	N/A	N/A	✔		
	256	N/A	N/A	✔		
	16bits	N/A	N/A	✔		
	24bits	N/A	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		
1600X1200	16	N/A	N/A	N/A		
	256	✔	✔	✔		
	16bits	N/A	N/A	N/A		
	24bits	N/A	N/A	N/A		
	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/ Address: D400:0000	✔		1
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			N/A
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	✔		

Note: 1. DOC Address E000H, C800H can't be detected..R&D回覆每一個Project 的DOC design，都是類似的方式,OS 無法detect DOC的佔用位址，所以只能在OS 系統裡面看哪一段Address，如無其他DEVICE使用時,DOC 才能去用它!!

F. O.S. Compatibility-Windows ME
Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 850/100
Memory Type	NEC D4564841G5-A80-9JF/ PC-100/ 64MB
Primary IDE Master	Fujitsu MPC3043AT-E/ 4.32GB/ ATA33
Primary IDE Slave	TEAC CD-540E/ 40X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
Monitor Type	ADI MicroScan 17X
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER & Intel 82562ET
Audio Card & Driver Version	OnBoard Avance AC'97 Audio Ver.5.12.01.2204

Installation Software:

Installation	Result		Note
	Pass	Fail	
WIN ME English	✔		
WIN ME Chinese(Option)			

VGA Driver Testing:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	N/A	N/A	✔		
	256	N/A	N/A	✔		
	16bits	N/A	N/A	✔		
	24bits	N/A	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		
1600X1200	16	N/A	N/A	N/A		
	256	✔	✔	✔		
	16bits	N/A	N/A	N/A		
	24bits	N/A	N/A	N/A		
	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 / Address:D400:0000	✔		1
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			N/A
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	✔		

Note: 1. **DOC Address E000H, C800H can't be detected..R&D**回覆每一個**Project** 的**DOC design**，都是類似的
方式,**OS** 無法**detect DOC**的佔用位址，所以只能在**OS** 系統裡面看哪一段**Address** ,如無其他**DEVICE**使
用時,**DOC** 才能去用它**!!**

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

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Celeron 766/66
Memory Type	NEC D4564841G5-A10-9JF/ PC-100/ 128MB
O.S.	Windows NT4.0 Workstation 4.00.1381
Primary IDE Master	Seagate ST320413A/ 20GB/ ATA100
Primary IDE Slave	NEC C&C-BCD F561B/ 52X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Switch HUB Type	D-Link DES-1008 / 10/100 Fast Ethernet Switch HUB
Backplane	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
Monitor Type	ADI MicroScan 17X
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.03.1381.2797
LAN Card & Driver Version	OnBoard Intel 82559ER & Intel 82562ET
Audio Card & Driver Version	OnBoard Avance AC'97 Audio Ver.5.12.01.2204

Platform Information(Server Site):

PCB Model & Version	SBC-776 Rev.A0.4
CPU Type & FSB	Pentium III 850/100
Memory Type	NEC D45128841G5-A10-9JF/ PC-100/ 256MB
O.S.	Windows NT4.0 Server 4.00.1381
Primary IDE Master	Maxtor 54610H6/ 46.1GB/ ATA100
Primary IDE Slave	ASUS CD-S500/A/ 50X
Secondary IDE Master	N/A
Secondary IDE Slave	N/A
Backplane	BP-214SG-P7 Rev.A0
Monitor Type	ViewSonic E70
VGA Card & Driver Version	OnBoard Intel 82815 Ver.4.03.1381.2797
LAN Card & Driver Version	OnBoard Intel 82559ER & Intel 82562ET
Audio Card & Driver Version	OnBoard Avance AC'97 Audio Ver.5.12.01.2204

Installation Software:

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

VGA Driver Test:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16c	N/A	N/A	✔		
	256c	N/A	N/A	✔		
	65536c	N/A	N/A	✔		
	16777216c	N/A	N/A	✔		
	4294967296c	N/A	N/A	N/A		
800X600	16c	N/A	N/A	N/A		
	256c	✔	✔	✔		
	65536c	✔	✔	✔		
	16777216c	✔	✔	✔		
	4294967296c	N/A	N/A	N/A		
1024X768	16c	N/A	N/A	N/A		
	256c	✔	✔	✔		
	65536c	✔	✔	✔		

	16777216c	✔	✔	✔	
	4294967296c	N/A	N/A	N/A	
1152X864	16c	N/A	N/A	N/A	
	256c	✔	✔	✔	
	65536c	✔	✔	✔	
	16777216c	✔	✔	✔	
	4294967296c	N/A	N/A	N/A	
1280X1024	16c	N/A	N/A	N/A	
	256c	✔	✔	✔	
	65536c	✔	✔	✔	
	16777216c	✔	✔	✔	
	4294967296c	N/A	N/A	N/A	
1600X1200	16c	N/A	N/A	N/A	
	256c	✔	✔	✔	
	65536c	N/A	N/A	N/A	
	16777216c	N/A	N/A	N/A	
	4294967296c	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/ Address: D400:0000	✔		
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 1.)**

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

     2.同時裝Intel 82559ER&562ET.則先安裝Driver的LAN不能連上Internet.

H. O.S. Compatibility-Windows 2000
Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
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	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
Monitor Type	ADI MicroScan 17X
VGA Card & Driver Version	OnBoard Intel 82815 Ver.5.13.01.2797
LAN Card & Driver Version	OnBoard Intel 82559ER & Intel 82562ET
Audio Card & Driver Version	OnBoard Avance AC'97 Audio Ver.5.12.01.2204

Installation Software:

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

VGA Driver Testing:

Resolution	Color	SF	LF	Pass	Fail	Note
640X480	16	N/A	N/A	✓		
	256	N/A	N/A	✓		
	16bits	N/A	N/A	✓		
	24bits	N/A	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		
1600X1200	16	N/A	N/A	N/A		
	256	✓	✓	✓		
	16bits	N/A	N/A	N/A		
	24bits	N/A	N/A	N/A		
	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 / Address: D400:0000	✔		
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			N/A
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	✔		
Standby	✔		

I. O.S. Compatibility-DOS and DOS Utility Compatibility Testing

Platform Information:

PCB Model & Version	SBC-776 Rev.A0.4
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	BP-214SG-P4 Rev.A1.0
Riser Card	N/A
LAN Card & Driver Version	OnBoard Intel 82559ER & 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 / Address: D400:0000	✔		1
DOS Commander			
MSD.COM	✔		
EDIT.COM	✔		
EMM386.EXE	✔		
HIMEN.SYS	✔		

Note: 1.DOC Address E000H, C800H can't be detected..R&D回覆每一個**Project** 的**DOC design**，都是類似的方式,**OS** 無法**detect DOC**的佔用位址，所以只能在**OS** 系統裡面看哪一段**Address**,如無其他**DEVICE**使用時,**DOC** 才能去用它**!!**