

# **FIC FS15 PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT**

**Document Number:**    *MB-475*

**Product Version:**    *V 2.1*

**BIOS Version:**        **IDF402**

Supervisor	Tester

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## 1. Introduction

FIC's motherboards undergo a comprehensive suite of stringent software and hardware compatibility tests to ensure that they can not only run a complete range of operating systems and software packages, but that they can also be installed with a full selection of add-on cards and peripheral devices, such as AGP,VGA, SCSI, and network adapters as well as HDDs, FDDs, CD-ROM Drives and Fax/Modems. A board is deemed to have passed the compatibility testing suite when it has met the following criteria:

- All application software available for IBM compatible products works properly.
- All common internal and external hardware available to the IBM AT-Bus and PCI compatible systems functions properly.
- All hardware and software can be installed according to the instructions provided to the user.
- All legal configurations (IRQ , I/O addresses, DMA levels ) function properly.
- All applications have been tested with and without drivers provided on the support disk.
- All operating systems have been installed and tested with each processor, with and without the most critical mode selected by setup.



## 2. Mainboard Features

**Model Name** : FS15 PCB Rev 2.1  
**Product Name** : Intel 815EP Based Mainboard  
**System BIOS** : Award BIOS Version IDF402  
**PCI IDE** : Internal PCI Mastre dual IDE  
**I/O** : WinBond W83627SF-AW

## 3. Mainboard CPU Supports:

### Intel :

Intel Processors	Bus	Package	Status
Celeron 533MHz	66	FC-PGA	Pass
Celeron 566MHz	66	FC-PGA	Pass
Celeron 600MHz	66	FC-PGA	Pass
Celeron 633MHz	66	FC-PGA	Pass
Celeron 667MHz	66	FC-PGA	Pass
Celeron 700MHz	66	FC-PGA	Pass
Celeron 733MHz	66	FC-PGA	Pass
Celeron 766MHz	66	FC-PGA	Pass
Celeron 800MHz	100	FC-PGA	Pass
Celeron 850MHz	100	FC-PGA	Pass
Pentium III 500MHz (Coppermine)	100	FC-PGA	Pass
Pentium III 533MHz (Coppermine)	133	FC-PGA	Pass
Pentium III 550MHz (Coppermine)	100	FC-PGA	Pass
Pentium III 600MHz (Coppermine)	100/133	FC-PGA	Pass
Pentium III 667MHz (Coppermine)	133	FC-PGA	Pass
Pentium III 700MHz (Coppermine)	100	FC-PGA	Pass
Pentium III 733MHz (Coppermine)	133	FC-PGA	Pass
Pentium III 750MHz (Coppermine)	100	FC-PGA	Pass
Pentium III 800MHz (Coppermine)	133	FC-PGA	Pass
Pentium III 850MHz (Coppermine)	100	FC-PGA	Pass
Pentium III 866MHz (Coppermine)	133	FC-PGA	Pass
Pentium III 933MHz (Coppermine)	133	FC-PGA	Pass
Pentium III 1GHz (Coppermine)	133	FC-PGA	Pass

### Cyrix :

Cyrix Processors	Bus	Package	Status
Cyrix III 533MHz (Samuel)	133	FPGA	Pass
Cyrix III 550MHz (Samuel)	100	FPGA	Pass
Cyrix III 600MHz (Samuel)	100/133	FPGA	Pass
Cyrix III 650MHz (Samuel)	100	FPGA	Pass
Cyrix III 700MHz (Samuel)	100	FPGA	Pass
Cyrix III 667MHz (Samuel-II)	133	FPGA	Pass
Cyrix III 700MHz (Samuel-II)	100	FPGA	Pass

## 4 System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
------	-------------

System Core Logic	Intel 815EP (82815EP+82801BA)
System Cache	128K/256K Pipeline Burst SRAM Built-in CPU
System Memory	Maximum : 512MB SDRAM
	168 pins single RAS and Double RAS DIMM RAM Module
System Slots	1 AGP and 6 PCI and 1 CNR slots
Audio	Intel AC'97 Audio with ALC100 codec
LPC	WinBond W83627SF-AW Support Normal,EPP,ECP mode and IR interface

#### 4.1 Main Functionality :

Num.	M/B function	Result
1	ACPI Ready (under Win 98 SE/ME/Win 2000)	PASS
2	Wake On LAN / Wake On Ring	PASS
3	RTC Alarm Function	PASS
4	H/W Monitoring (+/-12V,+/-5V,+5VR)	PASS
5	LogoGenie	PASS
6	Ultra ATA-33/66/100 Enhanced IDE Interface	PASS
7	CNR slot	PASS
8	USB Function	PASS
9	Power Failure feature	PASS
10	Year 2000 Compliance	PASS

#### 4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	Intel ATA Storage driver for Win 9x/NT/ME/2000	6.03	PASS
2	Intel Chipset Software Install Utility	2.3	PASS
3	AD1885 codec driver for Win 9x/ME	5.12.01.2204	PASS
4	AD1885 codec driver for Win 2000	5.12.01.2202	PASS
5	AD1885 codec driver for Win NT	4.03.2101	PASS
6	Award BIOS Flash ROM Utilities	7.79	PASS

\* CD-PRO 4.31 only

## 5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
Speaker Connector	SPK	Open	Pass
Power LED	PWR LED	Open	Pass
Sleep LED	GRN LED	Open	Pass
IDE HDD LED Connector	HDD LED	Open	Pass
Reset Switch	RST	Open	Pass
Remote Power Switch	PWR BTN	Open	Pass
CPU FAN Connector	FAN1	Open	Pass
Chassis FAN Connector	FAN2/FAN3	Open	Pass
Clear CMOS	JP7	Off	Pass



Keyboard Power On	JP2	1-2	Pass
USB Wake Up(Front USB)	JP8	1-2	Pass
Onboard Audio Feature	JP6	Open	Pass
IR interface	IR2	Open	Pass

## 6. Stability Test

### 6.1 CPU Over Clock Test:

System Configuration	
<b>CPU</b> : Intel P-III 600 (FSB133MHz)	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256KB	<b>Audio</b> : Onboard ALC100 AC'97 Audio
<b>Memory</b> : KingSton 64MB PC-133 x 2	<b>Mouse</b> : Microsoft PS/2 mouse
<b>HDD (ATA/66)</b> : Seagate ST330630A 30.6GB	<b>PowerSupply</b> : Delta DPS-300KB ATX 300W
<b>VGA</b> : ELSA ERAZOR III-LT	<b>O.S. Environment</b> : Windows 98 SE
<b>DVD-ROM</b> : Creative 8400E 8X DVD-ROM	

NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	PM	Winstone 99	3D Mark2000



1	140MHz	630MHz	Pass	Pass	Pass	29.5	Pass
2	145MHz	653MHz	Pass	Pass	Pass	30.5	Pass

## 6.2 Full Loading Test: (1days)

System Configuration	
<b>CPU</b> : Intel P-III 600 (FSB133MHz)	<b>PCI 1</b> : Adaptec ASC-39160 SCSI
<b>Cache Memory</b> : 256KB	<b>PCI 2</b> : Adaptec AHA-2940U2W SCSI
<b>Memory</b> : Apacer 64MB PC-133 x 2	<b>PCI 3</b> : Intel 82559 LAN
<b>HDD 1</b> : Seagate ST320423A 20.4GB	<b>PCI 4</b> : 3COM 3C905C LAN
<b>HDD2</b> : Seagate ST313032AA 13GB	<b>PCI 5</b> : Accton EN-1207D-TX
<b>DVD-ROM1</b> : Afreedy DD-4008E 8X DVD	<b>Mouse</b> : Microsoft PS/2 mouse
<b>DVD-ROM2</b> : Creative DVD8400E 8X DVD	<b>PowerSupply</b> : Delta DPS-300KB ATX 300W
<b>VGA</b> : Voodoo3 3000 AGP	<b>O.S. Environment</b> : Windows 2000 Professional
<b>FDD</b> : NEC FD1231T 1.44MB	

Test Result						
Cool boot	BIOS detect	Install OS	All devices Driver install	PM	Winstone 99	3D Winbench 99
Pass	Pass	Pass	Pass	Pass	25.6	Pass

## 6.3 PCB Cool Boot Test: (1days)

System Configuration	
<b>CPU</b> : Intel P-III 550 (FSB100MHz)	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 256KB	<b>PowerSupply</b> : Enlight HPC-200G2 ATX 200W
<b>Memory</b> : Hyundia 128MB PC-100 x 2	
<b>VGA</b> : Voodoo3 3000 AGP	

Test Result	
Cool Boot (over 1500 times)	Pass

## 7. Field (Stress) Test: Dynamic Burn-in Tests

Software Name	Duration	Result
WinBench 99 V1.2 Under WIN ME	12hr.	Pass
Test Configurations for Win ME	Intel Pentium III 1GHz Maxtor 54098H8 Ultra DMA100 40.9GB HDD SIEMENS 512MB SDRAM Memory x 1 ELSA GLADIAC Ultra AGP	
Memory Burn In Test (Memtest86)	24hr.	Pass
Test Configurations	Intel Pentium III 1GHz Buffalo 128MB SDRAM Memory.(SEC) X 2 Creative Geforce Pro AGP	







## 8. Hardware Compatibility Test Suite

### 8.1 Memory

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000  
☒ Win 2000 Ver: 5.00.2195  
 CPU Intel Pentium III 850MHz (Bus clock 100MHz) ☒ Intel  
 Intel Pentium III 1GHz (Bus clock 133MHz)  
 HDD IBM DTLA-307015 15.3GB IDE ☐UDMA/66 ☒UDMA/100  
 Channel: ☒PM ☐PS ☐SM ☐SS  
 VGA Creative Geforce Pro ☐Onboard ☒AGP 4X  
 CD-ROM ASUS DVD-E612 12X DVD Channel: ☐PM ☐PS ☒SM ☐SS  
 Sound ALC100 AC'97 ☐PCI\_Slot: ☐ On board  
 Mouse Microsoft IntelliMouse PS/2 Mouse ☐COM ☒PS/2

The following SDRAM module install Windows ME/2000 and run CC Winstone 2001/copy large files with BIOS set up default value and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

#### 8.1.1 SDRAM DIMM Module (PC100)

Vender	IC Part No.	ECC	Size	Side	Module No.
KingSton	TC59SM716FT-80	No	64MB	S	KGM100X64C2/64
	PTT3S128081T-8	No	128MB	S	DT100128M8-T01151
SIMONS	D45128163G5-A10B-9JF	No	64MB	S	
SIEMENS	HYB39S64160AT-8	No	32MB	S	HYS64V4200GU-8
	HYB39S64800AT-8	No	64MB	S	HYS64V8200GU-8
	HYB39S64800AT-8	Yes	128MB	D	HYS72V16220GU-8
	HYB39S64800BT-8	No	64MB	S	HYS64V8200GU-8
	HYB39S64800BT-8	Yes	128MB	D	HYS72V16220GU-8
	HYB39S64800CT-8	No	64MB	S	HYS64V8300GU-8-C
	HYB39S64800CT-8	Yes	128MB	D	HYS72V16220GU-8-C
SEC	KM48S2020CT-GH	Yes	32MB	D	BUFFALO VSJ-D32M
	KM48S8030BT-GH	Yes	64MB	S	BUFFALO VSJ-ES64M2
	KM48S8030BT-GH	No	128MB	D	BUFFALO VSJ-D128M2
	KM48S16030T-GL	Yes	256MB	D	
KingMAX	KSV884T4A1A-08A	No	64MB	S	MPC643S-882
	KSV884T4A1A-08A	No	128MB	D	MPCA83S-882
Apacer	GM72V66841XT7J	No	64MB	S	71.63320.065 (HYUNDAI)
	GM72V66841ET7K	No	128MB	D	71.73323.065 (HYUNDAI)
Winbond	W981216AH-75	No	64MB	S	VSJ-S64M2
NEC	D4564841G5-A80-9JF	Yes	128MB	D	BUFFALO VSJ-ED128M2
Hyundia	HY57V658020B-10P	No	128MB	D	VSJ-D128M2

### 8.1.2 SDRAM DIMM Module (PC133)

Vender	IC Part No.	ECC	Size	Side	Module No.
SIEMENS	HYB39S64800BT-7.5	No	64MB	S	HYS64V8300GU-7.5
	HYB39S64800BT-7.5	No	128MB	D	HYS64V16220GU-7.5
	HYB39S256800BT-7.5	Yes	512MB	D	HYS72V64220GU-7.5
MICRON	MT48LC8M8A2-75B	No	64MB	S	MT8LSDT864AG-133B4
	MT48LC8M8A2-75B	Yes	64MB	S	MT9LSDT872AG-133B4
	MT48LC8M8A2-75B	No	128MB	D	MT16LSDT1664AG-133B4
	MT48LC8M8A2-75B	Yes	128MB	D	MT18LSDT1672AG-133B4
Hyundai	HY57V658020B TC-75	No	64MB	S	HYM7V63801BTFG-75
	HY57V658020B TC-75	No	128MB	D	HYM7V631601BTFG-75
	HY57V658020B TC-75	Yes	128MB	D	HYM7V73A1601BTFG-75
NEC	D4564841G5-A75-9JF	No	64MB	S	MC-458CB647LF-A75
Winbond	W981208AH-75	No	128MB	S	VS133-128M
KingMAX	KSV884T4A1A-07	No	64MB	S	MPG643S-883
	KSV884T4A1A-07	No	128MB	D	MPGA83S-883
	KSV884T4A1A-06	No	128MB	D	MPGA83S-883
Hitachi	5264805FTT75	No	64MB	S	VS133-64M
	5264805FTT75	No	128MB	D	VS133-128M
Mitsubishi	M2V64S30BTP	No	64MB	S	MH8S64BALD-6
Apacer	HYB39S64800BT-7.5	No	64MB	S	71.63350.114
	AM2V648C2T75	No	64MB	S	71.63350.034
	HYB39S64800BT-7.5	No	128MB	D	71.73350.114
	GM72V66841XT75	No	128MB	D	71.73350.064
	AM2V648C2T75	No	128MB	D	71.73350.034
Buffalo	GM72V66841ET7K	No	64MB	S	VS133-64MB (Hyundai)
	GM72V66841ET7K	No	128MB	D	VS133-128M (Hyundai)
	K4S6408320-TC1H	No	128MB	D	VS133-128M (SEC)
V-TEC	GM72V66841ET75	No	64MB	S	
KingSton	TC59SM708FT-75	No	128MB	S	KGM133X64C3/128
	HYB39S64800BT-7.5	No	64MB	S	KVR-PC133/64 (8X64)
	HYB39S64800BT-7.5	No	128MB	D	KVR-PC133/128
	0312804CT3A-75A	No	256MB	D	KVR-PC133/256 (32X64)
SIMONS	D45128841G5-A80-9JF	No	128MB	S	
Transcend	K4S640832D-TC75	No	128MB	D	TS16MLS64V6W

## 8.2 Add-on Cards

### 8.2.1 Display Adapter Products

#### Test Configuration:



OS Ver ☒ Win ME Ver: 4.90.3000 .  
 CPU Intel Pentium III 933MHz ☒ Intel  
 Memory Apacer 128MB(HYB39S64800BT-7.5)Total: 256 MB ☐PC100 ☒PC133  
 HDD WD 310200 10.2GB ☒UDMA/66 ☐UDMA/100  
 Channel: ☒PM ☐PS ☐SM ☐SS  
 CD-ROM SONY CDU4811 48X IDE CD-ROM Channel: ☐PM ☐PS ☒SM ☐SS  
 Sound ALC100 AC'97 ☐PCI\_Slot:    ☒On board  
 Mouse Logitech MouseMan Mouse ☐COM ☒PS/2

The following PCI/AGP VGA cards test 3D WinBench 2000 /3Dmark 2000/Final Reality 1.01 under Windows ME with their respective VGA drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

### 8.2.1.1 2X AGP Display Adapter Products

Vendor	Model Name	Product Description	Driver version
ATI	Rage pro	XPERT@Play 98	4.12.2635
	Rage pro Turbo	XPERT 98	4.12.01.2647
	Rage 128GL	Rage Fury	4.13.7078
	Rage 128GL	All-In-Wonder 128	4.12.7016
	Rage 128GL	XPERT 128	4.13.7078
	Rage 128VR	XPERT 2000	4.13.7078
	Rage XL	Rage XL	4.12.01.2647
ASUS	Riva TNT	AGP-V3400TNT	4.12.01.0533
Matrox	MGA-G200	Millennium G200	4.12.01.2710
	MGA-G200A	Millennium G200 LE	4.12.01.2710
Leadtek	Riva TNT2 Ultra	Winfast 3D S320 II Ultra	4.12.01.0627
	SiS 300	Winfast VR300	4.12.01.1030
	SiS 6326 DVD	Winfast 3D S700	4.10.01.0905
Creative	Riva TNT2 Ultra	3D Blaster Riva TNT2 Ultra	4.12.01.0634
Top Solution	SiS 300 + 301	VR300DH	4.12.01.1090
MITAC	Riva TNT2 Vanta LT	Riva TNT2 Vanta LT	4.12.01.0649
3D labs	Glint R3	Oxygen VX1	4.12.01.2107
ELSA	3Dlabs Permedia II	Gloria Synergy	4.10.01.0203
	Riva TNT	ERAZOR II	4.12.01.0634
	3Dfx Voodoo Banshee	Victory II	4.11.01.0300
3dfx	Voodoo 3 1000	Voodoo 3 1000	4.12.01.0666
	Voodoo 3 2000	Voodoo 3 2000	4.12.01.0666
	Voodoo 3 3000	Voodoo 3 3000	4.12.01.0666
	Voodoo 3 3500	Voodoo 3 3500 TV	4.12.01.0666
	Voodoo 5 5500	Voodoo 3 5500	4.12.01.0666

### 8.2.1.2 4X AGP Display Adapter Products

Vendor	Model Name	Product Description	Driver version
Leadtek	Riva TNT2 M64	WinFast 3D S325	4.12.01.0627
	GeForce2 GTS	Winfast GeForce 2 GTS	4.12.01.0627

	GeForce2 MX	Winfast GeForce2 MX	4.12.01.0627
	Riva TNT2 Pro	WinFast 3D S320 II Pro	4.12.01.0627
Creative	Riva Geforce 256	3D Blaster GeForce256	4.12.01.0634
	Riva Geforce 256	3D Blaster GeForce Pro	4.12.01.0634
	GeForce2 GTS	3D Blaster Geforce2 GTS	4.12.01.0634
Cardex	S3 Savage 2000	Cardexpert Savage 2000	4.12.01.9014
	Riva TNT2 Vanta	Cardexpert TNT2 Vanta	4.12.01.0649
	GeForce2 MX	GeForce2 MX	4.12.01.0649
Hercules	Riva GeForce 256	3D Prophet DDR-DVI	4.12.01.0635
ASUS	GeForce256	AGP-V6600	4.12.01.0533
	GeForce256	AGP-V6800	4.12.01.0533
	Riva TNT2 Pro	AGP-V3800 Pro	4.12.01.0533
	Riva Geforce2 GTS	AGP-V7700	4.12.01.0533
	GeForce2 MX	AGP-V7100	4.12.01.0618
	Riva Geforce2 GTS	AGP-V7700 Deluxe (TV out)	4.12.01.0533
ELSA	Riva TNT2	ERAZOR III	4.12.01.0634
	Riva TNT2	Synergy II	4.12.01.0634
	Riva TNT2 M64	ERAZOR III LT	4.12.01.0634
	Riva TNT2 Vanta	ERAZOR III LT-16	4.12.01.0634
	Riva Geforce2 GTS	GLADIAC	4.12.01.0634
	Riva TNT2 Pro	ERAZOR III Pro	4.12.01.0634
	Riva GeForce 256	ERAZOR X	4.12.01.0634
	Riva GeForce 256 DDR	ERAZOR X <sup>2</sup>	4.12.01.0634
	GeForce2 MX	GLADIAC MX	4.12.01.0634
	Geforce2 Ultra	GLADIAC Ultra	4.12.01.0634
Matrox	MGA-G450	Millennium G450	4.12.01.1800
ATI	Rage 128 Pro	Rage Fury Pro	4.13.7078
	Rage 128 Pro	XPRT 2000 Pro	4.13.7078
	Radeon	Radeon	4.13.7075

### 8.2.1.3 PCI Display Adapter Products

Vendor	VGA Chip	Product Description
3dfx	Voodoo3 3000	Voodoo3 3000
Cardex	SiS 6326	Cardexpert 6326
Creative	S3 Savage 4	3D Blaster Savage 4
ASUS	Riva TNT2	PCI-V3800

### 8.2.2 FAX /CNR Modem Products

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.222A

CPU Intel Celeron 566MHz ☒ Intel

VGA ASUS AGP-V3400TNT ☒ On board ☒ AGP 2X

Memory SIMONS 64MB(D45128163G5-A10B-9JF) Total: 128 MB ☒ PC100 ☒ PC133



**HDD** Maxtor 91024U4 10.2GB ☒UDMA/66 ☐UDMA/100  
**Channel:** ☒PM ☐PS ☐SM ☐SS  
**CD-ROM** Pioneer DVD-115 16X DVD **Channel:** ☐PM ☐PS ☒SM ☐SS  
**Sound** ALC100 AC'97 **PCI Slot:** ☐ ☒On board  
**Mouse** Microsoft IntelliMouse PS/2 Mouse **COM** ☐ ☒PS/2

The following CNR card test includes connecting to the internet and download files under under Windows 98 SE with their respective modem drivers installed .

Vendor	Product Description	Codec
Castle Net	56KV.90 Modem Riser Card (MC810)	Smartlink
TAICOM	56KV.90 Modem Riser Card (MC810)	Smartlink

## 8.3 Storage

### 8.3.1 IDE Fixed Disk Drive Products

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .  
☒ Win 2000 Ver: 5.00.2195 .  
**CPU** Intel Pentium III 866MHz ☒Intel  
**VGA** ASUS AGP-V7700 ☐On board ☒AGP 4X  
**Memory** Kingston 128MB(HYB39S64800BT-7.5)Total: 256 MB ☐PC100 ☒PC133  
**CD-ROM** ASUS DVD-E612 12X DVD **Channel:** ☐PM ☐PS ☒SM ☐SS  
**Sound** ALC100 AC'97 **PCI Slot:** ☐ ☒On board  
**Mouse** Logitech First Mouse+ Mouse **COM** ☐ ☒PS/2

The following IDE devices test install OS then run Winbench 99 /WinStone 2001 and copy large files (over 500MB) under OS with Intel IDE Bus Master drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

#### 8.3.1.1 IDE Ultra DMA/66

Vendor	Model Name	Mode	Capacity
WD	WD84AA	Ultra DMA 66	8.4GB
	AC205BA	Ultra DMA 66	20.4GB
Seagate	ST-328040A	Ultra DMA 66	28.5GB
Fujitsu	MPE3204AH	Ultra DMA 66	20.4GB
	MPF3102AT	Ultra DMA 66	10.2GB
IBM	DPTA-353750	Ultra DMA 66	37.5GB
Maxtor	91024U4	Ultra DMA 66	10.2GB
	91360U4	Ultra DMA 66	13.6GB

	91531U3	Ultra DMA 66	15.3GB
	92049U4	Ultra DMA 66	20GB
	53073U6	Ultra DMA 66	30.7GB
	54098U8	Ultra DMA 66	40GB
Samsung	SV2046D	Ultra DMA 66	20.4GB

### 8.3.1.2 IDE Ultra DMA/100

Vendor	Model Name	Mode	Capacity
IBM	DTLA-307015	Ultra ATA 100	15.3GB
	DTLA-305020	Ultra ATA 100	20.5GB
	DTLA-307020	Ultra ATA 100	20.5GB
	DTLA-307030	Ultra ATA 100	30.7GB
	DTLA-307045	Ultra ATA 100	46.1GB
	DTLA-307075	Ultra ATA 100	76.8GB
Fujitsu	MPG3204AT	Ultra ATA 100	20.4GB
	MPG3307AT	Ultra ATA 100	30.7GB
Maxtor	51536H2	Ultra ATA 100	15.3GB
	52049H4	Ultra ATA 100	20.4GB
	53073H6	Ultra ATA 100	30.6GB
	54098H8	Ultra ATA 100	40.9GB
	98196H8	Ultra ATA 100	80GB
Seagate	Barracuda ST330631A	Ultra ATA 100	30.6GB
WD	Caviar WD300	Ultra ATA 100	30GB
Samaung	SV3063H	Ultra ATA 100	30.6GB

### 8.3.2 Floppy Disk Drive Products

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000

CPU Intel Pentium III 733MHz ☒ Intel

Memory NEC 128MB (D4564841G5-A80-9JF) Total: 128 MB ☐ PC66 ☒ PC100

VGA ATI XPERT 2000 Pro ☐ Onboard ☒ AGP 4X

HDD Maxtor 53073U6 30.7GB IDE ☐ PIO4 ☒ UDMA/66

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM BTC BCD 48SB 48X IDE

Channel: ☐ PM ☐ PS ☒ SM ☐ SS

Sound ALC100 AC'97

~~PCI~~ Slot:    ☒ On board

Mouse Logitech MouseMan Mouse

~~COM~~ ☒ PS/2

The following Floppy devices were tested by format disk, boot and read/write file under Windows ME with Intel ATA Storage drivers installed.

Vendor	Model Name	Product Description
Panasonic	JU-257A606P	1.44MB Floppy Disk Drive
TEAC	FD-235HF	1.44 MB Floppy Disk Drive
SONY	MPF920-E	1.44 MB Floppy Disk Drive
ALPS	DF354N901C	1.44 MB Floppy Disk Drive

### 8.3.3 ATAPI CD-ROM /DVD-ROM Device Product

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000  
 CPU Intel Pentium III 800MHz ☒ Intel  
 VGA Creative Geforce2 GTS ☒ On board ☒ AGP 4X  
 Memory Buffalo 128MB(GM72V66841ET7K) Total: 256 MB ☒ PC100 ☒ PC133  
 HDD Maxtor 54098H8 40.9GB ☒ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
 Sound ALC100 AC'97 ☒ PCI Slot: ☒ On board  
 Mouse Logitech First Mouse+ Mouse ☒ COM ☒ PS/2

The following IDE devices test CD Winbench 99 and play VCD/DVD over night under windows 98 SE with Intel ATA Storage drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

#### 8.3.3.1 ATAPI CD-ROM:

Vendor	Model Name	Product Description
Mitsumi	CRMC-FX320S	ATAPI CD-ROM 32X Mode4
	CRMC-FX4820T	ATAPI CD-ROM 48X UDMA2
LITE-ON	LTN-403L	ATAPI CD-ROM 40X UDMA2
	LTN-485S	ATAPI CD-ROM 48X UDMA2
Panasonic	CR-587-D	ATAPI CD-ROM 32X Mode4
Creative	CD4834E	ATAPI CD-ROM 48X Mode4
	CD5220E	ATAPI CD-ROM 52X Mode4
ASUS	CD-S400/A	ATAPI CD-ROM 40X UDMA2
	CD-S500/A	ATAPI CD-ROM 50X UDMA2
BTC	BCD 48SB	ATAPI CD-ROM 48X UDMA2

#### 8.3.3.2 ATAPI DVD-ROM:

Vendor	Model Name	Product Description
Panasonic	SR-8584B	ATAPI DVD-ROM 6X
	SR-8585-B	ATAPI DVD-ROM 8X
Toshiba	SD-M1202	ATAPI DVD-ROM 4.8X

Creative	DVD8400E	ATAPI DVD-ROM 8X
	DVD1242E	ATAPI DVD-ROM 12X
Pioneer	DVD-114	ATAPI DVD-ROM 10X
	DVD-115	ATAPI DVD-ROM 16X
	DVD-105S	ATAPI DVD-ROM 16X
Sony	DDU220E	ATAPI DVD-ROM 5X
Hitachi	GD-2500	ATAPI DVD-ROM 6X
Afreedy	DD-4008E	ATAPI DVD-ROM 8X
	DD-4010E	ATAPI DVD-ROM 10X
Acer	DVP 1640A	ATAPI DVD-ROM 16X
ASUS	DVD-E608	ATAPI DVD-ROM 8X
	DVD-E612	ATAPI DVD-ROM 12X
Lite-On	LTD-122	ATAPI DVD-ROM 12X
Actima	AD10S	ATAPI DVD-ROM 10X

## 8.4 Peripherals

### 8.4.1 Parallel/Serial Port Products (Including IR)

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A

CPU Intel Pentium III 866MHz ☒ Intel

Memory SIMONS 128MB (D45128841G5-A80-9JF) Total: 256 MB ☐ PC100 ☒ PC133

HDD IBM DTLA-307030 30GB IDE ☐ UDMA/66 ☒ UDMA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM Panasonic SR-8584B 5X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA MITAC Riva TNT2 Vanta LT ☐ Onboard ☒ AGP 4X

Sound ALC100 AC'97 ☐ PCI Slot:     ☒ On board

Mouse Logitech TrackMan Marble Mouse ☐ COM ☒ PS/2

The following Parallel/Serial devices be tested under Windows 98 SE with Intel ATA Storage drivers installed.

Vendor	Product Description	Bus I/F
HP	HP LaserJet 6P support IR Interface	LPT/IR
EPSON	Stylus Color 900	LPT
iomega	Parallel ZIP 250	LPT
Kodak	DC210 InfraRed/Serial port Digital camera	COM/IR
ACTisys	ACT-IR210L	IR





ACT-IR220L

COM(IR)

### 8.4.2 Mouse Products

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A.CPU Intel Celeron 600MHz ☒ IntelMemory KingSton 128MB (TC59SM708FT-75) Total: 256 MB ☐ PC100 ☒ PC133HDD Maxtor 52049H4 20.4GB IDE ☐ PIO4 ☒ UDMA/66Channel: ☒ PM ☐ PS ☐ SM ☐ SSCD-ROM Lite-On LTD-122 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SSVGA Matrox Millennium G450 ☐ Onboard ☒ AGP 4XSound ALC100 AC'97 ☐ PCI Slot:     ☒ On board

The following Mouse devices test Office 2000 and Game under Windows 98 SE with Mouse drivers installed.

Vendor	Product Description	Bus I/F
Microsoft	IntelliMouse Serial Mouse	Serial/ PS2
	IntelliMouse USB/PS2 Mouse (w IntelliEye)	USB/PS2
	IntelliMouse USB/PS2 Mouse (Optical)	USB/PS2
	IntelliMouse explorer USB/PS2 Mouse	USB/PS2
Logitech	Logitech MouseMan Serial Mouse	Serial/ PS2
	Logitech First Mouse+ Serial Mouse	Serial/ PS2
	Logitech TrackMan Marble Serial Mouse	Serial/ PS2
	Logitech Wheel Mouse (Optical)	USB/PS2

### 8.4.3 USB Device Products

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000.CPU Intel Pentium III 866MHz ☒ IntelMemory SIMONS 128MB (D45128841G5-A80-9JF) Total: 256 MB ☐ PC100 ☒ PC133HDD IBM DTLA-307030 30GB IDE ☐ UDMA/66 ☒ UDMA/100Channel: ☒ PM ☐ PS ☐ SM ☐ SSCD-ROM Panasonic SR-8584B 5X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SSVGA MITAC Riva TNT2 Vanta LT ☐ Onboard ☒ AGP 4XSound ALC100 AC'97 ☐ PCI Slot:     ☒ On boardMouse Logitech TrackMan Marble Mouse ☐ COM ☒ PS/2

The following USB devices be tested under Windows ME with Win ME default driver installed.

Type	Vendor	Description
Mouse	Logitech	USB Wheel Mouse (M-BB48)
		USB MouseMan Wheel (M-BA47)
		USB Wheel optical Mouse (M-BD58)
	Microsoft	IntelliMouse Mouse (w IntelliEye)
		IntelliMouse Optical USB Mouse
		IntelliMouse explorer USB Mouse
	XNTC	98NS1-U2

	Cypress	7-895 Mouse
HUB	Belkin	Express Bus F5U001
	Macally	MHUB-01 USB Hub
Camera	Kodak	DVC323
	IBM	XVP610
Keyboard	BTC	8113W
	Microsoft	Natural Keyboard Pro
Printer	EPSON	Stylus Color 740
		Stylus Color 900
Scanner	EPSON	GT-7000
ZIP	iomega	ZIP 250
GamePad	Creative	Cobra USB GamePad
	Logitech	WingMan Extreme USB GamePad
Joystick	Logitech	WingMan Formula Force joystick
	Microsoft	SideWinder Precision 2

#### 8.4.4 Joystick & Game Pad

##### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000  
 CPU Intel Celeron 600MHz ☒ Intel  
 Memory KingSton 128MB (TC59SM708FT-75) Total: 256 MB ☐ PC100 ☒ PC133  
 HDD Maxtor 52049H4 20.4GB IDE ☐ PIO4 ☒ UDMA/66  
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
 CD-ROM Lite-On LTD-122 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
 VGA Matrox Millennium G450 ☐ Onboard ☒ AGP 4X  
 Sound ALC100 AC'97 ☐ PCI Slot: ☐ On board  
 Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

The following Joystick & Game Pad devices test Game under Windows ME with themselves default driver installed.

Type	Vendor	Product Description
GamePad	Logitech	ThunderPad Digital
Joystick	Microsoft	SideWinder 3D Pro joystick
		SideWinder force feedback pro joystick
	Logitech	Wing Man Extreme digital joystick
		CyberMan2 Digital Game Controller

## 8.5 Power Supply Products

### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .

CPU Intel Pentium III 800MHz ☒ Intel

Memory Apacer 64MB(HYB39S64800BT-7.5) Total: 128 MB ☐ PC100 ☒ PC133

HDD Maxtor 52049H4 20.5GB IDE ☐ UDMA/66 ☒ UDMA/100

Channel: ☒ PM ☐ PS ☐ SM ☐ SS

CD-ROM Pioneer DVD-115 15X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS

VGA Matrox Millennium G450 ☐ Onboard ☒ AGP 4X

Sound ALC100 AC'97 ☐ PCI\_Slot:     ☒ On board

Mouse Logitech TrackMan Marble Mouse ☐ COM ☒ PS/2

The following Power supply devices test Cool/Warm boot, restart and power management under Windows ME with over 10 times.

Vendor	Product Description	Power	Type
DELTA	DPS-200PB-103A	200W	ATX
	DPS-200PB-103D	200W	ATX
	DPS-200PB-103F	200W	ATX
	DPS-300KB A Rev:00	300W	ATX
HIPRO	HP-250NLXAK Rev:01	250W	NLX
	HP-200 NLXAG	200W	NLX
	HP-200NLXAA	250W	NLX
	HP-250NLXAA	250W	NLX
Seventeam	ST-250GL	250W	ATX
	ST-301HR	300W	ATX
	ST-400GL	400W	ATX
TELTA	HI-250PB	250W	ATX
	HI-300PB	300W	ATX
AOpen	FSP300-60GT	300W	ATX
FSP	FSP250-61GN(INTEL)	250W	ATX
ACHME	AM607BS-250W	250W	ATX
HOPELY	ATX-200SEL	200W	ATX
	ATX-250S	250W	ATX
BELSON	BS-7230H	230W	ATX
	BS-2000	200W	ATX

## 8.6 MPEG-2 DVD Display Products

### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A .

**CPU** Intel Pentium III 733MHz ☒ Intel  
**Memory** Buffalo 128MB(5264805FTT75) **Total: 256 MB** ☐ PC100 ☒ PC133  
**HDD** Fujitsu MPG3307AT 30.7GB IDE ☐ UDMA/66 ☒ UDMA/100  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**CD-ROM** Afreedy DD-4008E 8X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**VGA** Leadtek Winfast VR300 ☐ Onboard ☒ AGP 2X  
**Sound** ALC100 AC'97 ☐ PCI\_Slot: \_\_ ☒ On board  
**Mouse** Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

The following DVD player over night under Windows 98 with their respective DVD drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

Vendor	VGA Chip	Product Description
Realmagic	Sigma Designs EM8300	DVDMagic Pro DVD card
Creative	Creative CT7235-VBQ	PC-DVD ENCORE
Formosa	Sigma Designs EM8300	DVD8300 DVD card

## 9. Software Compatibility Test Suite

### 9.1 Base Operating System

#### 9.1.1 Microsoft Windows 98 SE:

##### Test Configuration:

**CPU** Intel Pentium III 1GHz ☒ Intel  
**Memory** Buffalo 128MB(GM72V66841ET7K) **Total: 256 MB** ☐ PC100 ☒ PC133  
**HDD** Fujitsu MPG3307AT 30.7GB IDE ☐ UDMA/66 ☒ UDMA/100  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** ASUS AGP-V7700 Deluxe ☐ Onboard ☒ AGP 4X  
**Sound** ALC100 AC'97 ☐ PCI\_Slot: \_\_ ☒ On board  
**CD-ROM** ASUS DD-E612 12X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Mouse** Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
<b>FDISK (FAT32)</b>	PASS	
<b>Install Win OS</b>	PASS	
<b>Format FDD</b>	PASS	
<b>Diskcopy</b>	PASS	
<b>Large file Copy (one file over 500MB)</b>	PASS	
<b>Cool boot 2 times under every combination</b>	PASS	
<b>Reboot 2 times under every combination</b>	PASS	
<b>FIC CD-PRO all Application Install &amp; Test</b>	PASS	
<b>CoreTest 92 (Transfer Rate test)</b>	PASS	
<b>Device Management check (No Caution)</b>	PASS	
<b>VGA Resolution/Color change</b>	PASS	
<b>Install Office 2000</b>	PASS	
<b>Auto Shutdown (system power off)</b>	PASS	
<b>Defrag test</b>	PASS	

VCD play (name: <i>Runaway Bride</i> )		PASS	
Power Management	Power button	PASS	
	Keyboard Sleep Key	PASS	
	Start → Stand By item	PASS	
	Time Out	PASS	
System Shutdown	Power button (Setting from PM)	PASS	
	Start → Shut down item	PASS	
WinStone 2001		PASS	39.1
CC WinStone 2001		PASS	45.1
WinBench 99 (BD/BG/HD/HG)		PASS	
3D Mark2000		PASS	6897

The board is tested to ensure that it runs a complete a range of Operating Systems and thus operate in all network environments The board Power Management and Remote functions are also tested.

Operating System	Version	Language	Company	Status
MS Windows 98 SE	4.10.2222A	English	Microsoft	Pass

### 9.1.2 Microsoft Windows 2000:

#### Test Configuration:

CPU Intel Pentium III 1GHz ☒ Intel  
 Memory Buffalo 128MB(K4S6408320-TC1H)Total: 256 MB ☐ PC100 ☒ PC133  
 HDD IBM DTLA-307060 60GB IDE ☐ PIO4 ☐ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
 VGA ATI Radeon ☐ Onboard ☒ AGP 4X  
 Sound ALC100 AC'97 ☐ PCI Slot: ☐ On board  
 CD-ROM Creative DVD1242E 12X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
 Mouse Microsoft IntelliMouse Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
Install Win 2000 with NTFS (boot from CD )	PASS	
Install OS	PASS	
Format FDD	PASS	
FIC CD-PRO all M/B drivers Install & Test	PASS	
FIC CD-PRO all Application Install & Test	PASS	
Device Management check (No Caution)	PASS	
VGA Resolution/Color change	PASS	
Large file Copy (one file Over 500MB)	PASS	
Install Office 2000	PASS	
Suspend To RAM(STR)	PASS	
VCD/DVD play (name: <i>Runaway Bride</i> )	PASS	
Power Management (Stand By function)	Power button	PASS
	Keyboard Sleep Key	PASS
	Start → Stand By item	PASS
	Time Out	PASS
Hibernate (Suspend To Disk)	Power button	PASS
	Start → Hibernate item	PASS
	Time Out	PASS
System Shutdown	Power button	PASS
	Start → Shut down item	PASS
WinStone 2001	PASS	40.1
CC WinStone 2001	PASS	51
3D Mark2000	PASS	4250



WinBench 99 (BD/BG/HD/HG)	PASS
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The board is tested to ensure that it runs a complete a range of Operating Systems and thus operate in all network environments The board Power Management and Remote functions are also tested.

Operating System	Version	Language	Company	Status
MS Windows 2000 Professional	5.00.2195	English	Microsoft	Pass

### 9.1.3 Microsoft Windows NT 4.0 + Service Pack 6:

#### Test Configuration:

CPU Intel Pentium III 1GHz ☒ Intel  
 Memory KingMax 128MB(KSV884T4A1A-06) Total: 256 MB ☐ PC100 ☒ PC133  
 HDD IBM DTLA-307045 46.1GB IDE ☐ PIO4 ☐ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
 VGA Matrox Millennium G450 ☐ Onboard ☒ AGP 4X  
 Sound ALC100 AC'97 ☐ PCI Slot: \_\_ ☒ On board  
 CD-ROM Panasonic SR-8585B 8X IDE DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
 Mouse Logitech Mouse+ Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
Install Win NT with NTFS (boot from CD )	PASS	
Install Service Pack 6.0	PASS	
Format FDD	PASS	
Cool boot 2 times under every combination	PASS	
Reboot 2 times under every combination	PASS	
VGA Resolution/Color change	PASS	
Large file Copy (one file Over 500MB)	PASS	
VCD/DVD play (name: <i>Runaway Bride</i> )	PASS	
WinStone 2001	PASS	44.2
CC WinStone 2001	PASS	49.8
WinBench 99 (BD/BG/HD/HG)	PASS	

The board is tested to ensure that it runs a complete a range of Operating Systems and thus operate in all network environments The board Power Management and Remote functions are also tested.

Operating System	Version	Language	Company	Status
Windows NT Workstation	4.0	English	Microsoft	Pass
Windows NT Workstation Service Pack	6.0	English	Microsoft	Pass

### 9.1.4 IBM OS/2 4.0:

#### Test Configuration:

**CPU** Intel Pentium III 1GHz ☒ Intel  
**Memory** Buffalo 128MB (5264805FTT75) **Total: 256 MB** ☐ PC100 ☒ PC133  
**HDD** Fujitsu MPB3032AT 3.2GB IDE ☐ PIO4 ☒ UDMA/33  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** Matrox Millennium G400 MAX ☒ PCI\_Slot: 2 ☐ AGP  
**CD-ROM** Acer DVP 1640A 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Mouse** Logitech Mouse+ Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
Install OS/2 (HPFS)	PASS	
Format FDD	PASS	
XCopy	PASS	
Diskcopy	PASS	
VGA Resolution/Color change	PASS	
DOS Windows	PASS	
OS/2 Windows	PASS	
PM function (H/W)	PASS	

The board is tested to ensure that it runs a complete a range of Operating Systems and thus operate in all network environments The board

Operating System	Version	Language	Company	Status
IBM OS/2 Warp	4.0	English	IBM	Pass

### 9.1.5 LINUX:

#### Test Configuration:

**CPU** Intel Pentium III 866MHz ☒ Intel  
**Memory** Hyundai 128MB (HY57V658020B TC-75) **Total: 128 MB** ☐ PC100 ☒ PC133  
**HDD** Samsung SV1364D 13.6GB IDE ☐ PIO4 ☒ UDMA/66  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**VGA** Creative Riva TNT2 ☐ Onboard ☒ AGP 2X  
**CD-ROM** Creative 8400E 8X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Mouse** Logitech Mouse+ Mouse ☐ COM ☒ PS/2

The board is tested to ensure that it runs a complete a range of Operating Systems.

Operating System	Version	Language	Status
Red Hat	7.0	English	Pass
Open Linux	2.4	English	Pass

### 9.1.6 Microsoft Windows ME:

#### Test Configuration:

**CPU** Intel Pentium III 1GHz ☒ Intel  
**Memory** SIEMENS 512MB(HYB39S256800T-7.5)Total: 512 MB ☐PC100 ☒PC133  
**HDD** Maxtor 54098H8 40.9GB IDE ☐PIO4 ☐UDMA/66 ☒UDMA/100  
Channel: ☒PM ☐PS ☐SM ☐SS  
**VGA** ELSA GLADIAC MX ☐Onboard ☒AGP 4X  
**Sound** ALC100 AC'97 ☐PCI\_Slot: \_\_ ☒On board  
**CD-ROM** Pioneer DVD-105S 16X IDE DVD Channel: ☐PM ☐PS ☒SM ☐SS  
**Mouse** Microsoft IntelliMouse Mouse ☐COM ☒PS/2

Test Item	Result	Remark
<b>FDISK (FAT32)</b>	PASS	
<b>Install OS</b>	PASS	
<b>Format FDD</b>	PASS	
<b>Device Management check (No Caution)</b>	PASS	
<b>VGA Resolution/Color change</b>	PASS	
<b>Large file Copy (one file Over 500MB)</b>	PASS	
<b>Install Office 2000</b>	PASS	
<b>Media Player 7.0 (play MIDI/MP3/CD Audio)</b>	PASS	
<b>VCD/DVD play (name: <i>Runaway Bride</i> )</b>	PASS	
<b>Suspend To RAM(STR)</b>	PASS	
<b>Power Management (Stand By function)</b>	<b>Power button</b>	PASS
	<b>Keyboard Sleep Key</b>	PASS
	<b>Start → Stand By item</b>	PASS
	<b>Time Out</b>	PASS
<b>Hibernate (Suspend To Disk)</b>	<b>Power button</b>	PASS
	<b>Start → Hibernate item</b>	PASS
	<b>Time Out</b>	PASS
<b>System Shutdown</b>	<b>Power button</b>	PASS
	<b>Start → Shut down item</b>	PASS
<b>IE 5.5 (Install LAN card to connect to Internet)</b>	PASS	
<b>System Restore</b>	PASS	
<b>WinStone 2001</b>	PASS	41.5
<b>CC WinStone 2001</b>	PASS	46.4
<b>WinBench 99 (BD/BG/HD/HG)</b>	PASS	

The board is tested to ensure that it runs a complete a range of Operating Systems and thus operate in all network environments The board Power Management and Remote functions are also tested.

Operating System	Version	Language	Company	Status
MS Windows ME	4.90.3000	English	Microsoft	Pass





**Test Engineer:**

BIOS: Benson Shen

OS: Scott Lin

I/O : Kun Tai

Audio: Brad Su

CPU/Memory: Lion Liou

VGA: Leon Liang

Logo: Joy Tsai

IDE Devices: Scott Lin

Check by: Lion Liou

Ownership: Benson Shen