

**FIC AZ31 PCI/AGP SYSTEM BOARD
BOARD LEVEL COMPATIBILITY TEST REPORT**

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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 : AZ31 PCB Rev 1.2
Product Name : VIA KT133 Based Mainboard
System BIOS : Award BIOS Version VDB41
PCI IDE : Internal PCI Mastre dual IDE
I/O : VIA VT686A

3. Mainboard CPU Supports:

AMD Processors	Bus	Status
Duron 600MHz	100	Pass
Duron 650MHz	100	Pass
Duron 700MHz	100	Pass
Duron 750MHz	100	Pass
Duron 800MHz	100	Pass
Athlon 700MHz	100	Pass
Athlon 800MHz	100	Pass
Athlon 850MHz	100	Pass
Athlon 900MHz	100	Pass
Athlon 950MHz	100	Pass
Athlon 1GHz	100	Pass
Athlon 1.1GHz	100	Pass
Athlon 1.2GHz	100	Pass

- Socket A Fan-Sink : Please refer to AMD' s Web side recommendation. Especially, over 850 MHz CPUs.

4 System Specification for Hardware and Software Utilities

The mainboard hardware portion was configured as follows :

Item	Description
System Core Logic	VIA KT133 (VT8363_E/F+686A_C)
System Cache	64K/256K Pipeline Burst SRAM Built-in CPU
System Memory	Maximum : 1.5GB SDRAM 168 pins single RAS and Double RAS DIMM RAM Module
System Slots	1 AGP and 3 PCI slots
Audio	OnChip VIA VT686A AC' 97 Audio on board
IO Corelogic	VIA VT686A Support Normal,EPP,ECP mode and IR interface



4.1 Main Functionality :

Num.	M/B function	Result
1	ACPI Ready (under Win 98 SE/Win 2000)	PASS
2	APM 1.2	PASS
3	RTC Alarm Function	PASS
4	Logo Genie	PASS
5	BIOS Easy Kit	PASS
6	Overclock Partner	PASS
7	Audio Alert II	PASS
8	BIOS Flash Protect (Guardian feature)	PASS
9	Ultra ATA-33/66 Enhanced IDE Interface	PASS
10	USB Function	PASS
11	Year 2000 Compliance	PASS

4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	VIA IDE Bus Master for Win 98	1.49	PASS
2	VIA IDE Bus Master for Win NT	1.49	PASS
3	VIA AGP VxD Utilities for Win 95/98	4.03	PASS
4	VIA INF Driver	1.02	PASS
5	VIA IRQ Routing Table	1.30	PASS
6	Onboard VIA VT686A Audio driver for Win 9x	1.11c	PASS
7	Onboard VIA VT686A Audio driver for Win NT	1.10	PASS
8	Award BIOS Flash ROM Utilities	7.79	PASS

5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
Speaker Connector	SPK	Open	Pass
Power LED	PW_LED	Open	Pass
IDE LED Connector	IDE_LED	Open	Pass
Reset Switch	RST	Open	Pass
Remote Power Switch	RPW_SW	Open	Pass
Sleep LED	SP_LED	Open	Pass
CPU FAN Connector	CPU_FAN	Open	Pass
Case FAN Connector	CASE_FAN	Open	Pass
Clear CMOS	CLR_CMOS	1-2	Pass
System Bus Clock	100MHz/133MHz	2-3	Pass
Magic Tunner	MAGIC_TUNNER	2-3	Pass



6. Stability Test

6.1 CPU Over Clock Test: (1days)

System Configuration	
CPU : AMD Athlon 950	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	Audio : Onboard 686A AC' 97 Audio
Memory : SDRAM 256MB (128MB x3)	Mouse : Microsoft PS/2 mouse
HDD (ATA/66) : Fujitsu MPE3102AH 10.2GB	PowerSupply : Hipro HP-A1463F5 145W SFX
VGA : Voodoo3 3000 2X AGP	O.S. Environment: Windows 98 SE
DVD-ROM : Panasonic SR-8585 8X	

NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	PM	Winstone 99	3D Mark2000
1	102MHz	970MHz	Pass	Pass	Pass	32.8	Pass
2	104MHz	988MHz	Pass	Pass	Pass	33.8	Pass

6.2 Full Loading Test: (1days)

System Configuration	
CPU : AMD Athlon 950	PCI 1 : Intel 82559 LAN card
Cache Memory : 256 K	PCI 2 : Accton En1207D LAN card
Memory : SDRAM 256MB (128MB x 2)	PCI 3 : 3Com 3C905B LAN card
HDD 1 : Quantum Fireball LM 20.5GB	Mouse : Microsoft PS/2 mouse
HDD2 : Fujitsu MPD3084AT 8.4GB	PowerSupply : Hipro HP-A1463F5 145W SFX
DVD-ROM1 : Panasonic SR-8585 8X	O.S. Environment: Windows 2000
DVD-ROM2 : Afrey DD-4008E 8X	
VGA : Voodoo3 3000 2X AGP	
FDD : 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	33.1	Pass

6.3 PCB Cool Boot Test: (1days)

System Configuration	
CPU : AMD Duron 650	FDD : NEC FD1231T 1.44MB
Cache Memory : 64 K	PowerSupply : Hipro HP-A1463F5 145W SFX
Memory : SDRAM 128MB (128MB x 1)	
VGA : ATI Rage 128 2X AGP	



Test Result	
Cool Boot (over 1200 times)	Pass

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

Software Name	Duration	Result
Winstone 99 Under WIN98 SE	24hr.	<i>Pass</i>
Test Configurations for Win 98	AMD Duron 700MHz IBM DPTA-371350 Ultra DMA66 13.5GB HDD Buffalo 128MB SDRAM Memory.(Hitachi) x 2 Voodoo3 3000 16MB SDRAM AGP VGA	
DVD Play Under WIN2000	12hr.	<i>Pass</i>
Test Configurations for Win 2000	AMD Athlon 950MHz Quantum Fireball LM Ultra DMA66 20.3GB HDD KingSton 128MB SDRAM Memory x 2 Panasonic SR-8584B 6X IDE DVD-ROM Voodoo3 3000 16MB SDRAM AGP VGA Win DVD Play 2.2	



8. Hardware Compatibility Test Suite

8.1 Memory

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A .
CPU AMD Athlon 1GHz (Bus clock 100MHz) AMD
HDD Maxtor 91531U3 15.3GB IDE UDMA/66 UDMA/100
Channel: PM PS SM SS
VGA Top Solution VR300DH 64MB SDRAM PCI_Slot: AGP 4X
CD-ROM Creative DVD8400E 8X IDE DVD **Channel:** PM PS SM SS
Sound VIA VT686A **ISA_Slot:** On board
Mouse Microsoft IntelliMouse PS/2 Mouse COM PS/2

The following SDRAM module test Winstone 99 V1.3 under Windows 98 SE 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.
NEC	D4564841G5-A80-9JF	Yes	128MB	D	BUFFALO VSJ-ED128M2
Hyundia	HY57V658020B-10P	No	128MB	D	VSJ-D128M2
SIMONS	D45128163G5-A10B-9JF	No	64MB	S	
KingSton	PTT3S128081T-8	No	128MB	S	DT100128M8-T01151
	TC59SM716FT-80	No	64MB	S	KGM100X64C2/64 (Toshiba)
SIEMENS	HYB39S64800AT-8	No	64MB	S	HYS64V8200GU-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	
Apacer	GM72V66841XT7J	No	64MB	S	71.63320.065 (HYUNDAI)
	GM72V66841ET7K	No	128MB	D	71.73323.065 (HYUNDAI)
KingMax	KSV884T4A1A-08A	No	64MB	S	MPC643S-882
	KSV884T4A1A-08A	No	128MB	D	MPCA83S-882
Winbond	W981216AH-75	No	64MB	S	VSJ-S64M2

**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
Mitsubishi	M2V64S30BTP	No	64MB	S	MH8S64BALD-6
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
Apacer	HYB39S64800BT-7.5	No	128MB	D	71.73350.114
	AM2V648C2T75	No	128MB	D	71.73350.034
Buffalo	GM72V66841ET7K	No	64MB	S	VS133-64MB (Hyundai)
	W981208ah-75	No	128MB	S	VS133-128M (Winbond)
	GM72V66841ET7K	No	128MB	D	VS133-128M (Hyundai)
	K4S6408320-TC1H	No	128MB	D	VS133-128M (SEC)
V-TEC	GM72V66841ET75	No	64MB	S	
SIMONS	D45128841G5-A80-9JF	No	128MB	S	
KingSton	HYB39S64800BT-7.5	No	64MB	S	KVR-PC133/64
	TC59SM708FT-75	No	128MB	S	KGM133X64C3/128
	HYB39S64800BT-7.5	No	128MB	D	KVR-PC133/128
	0312804CT3A-75A	No	256MB	D	KVR-PC133/256
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
Transcend	K4S281632B-TC75	No	128MB	D	MS16MLS64V6C
	K4S640832D-TC75	No	128MB	D	TS16MLS64V6W



8.2 Add-on Cards

8.2.1 Display Adapter Products

Test Configuration:

OS Ver Win 98 **SE Ver:** 4.10.222A
CPU AMD Athlon 850MHz AMD
Memory BUFFALO 128MB (5264805FTT75) **Total:** 384 MB PC100 PC133
HDD IBM DTLA-307015 15.3GB IDE UDMA/66 UDMA/100
Channel: PM PS SM SS
CD-ROM Acer DVP 1640A 16X IDE DVD **Channel:** PM PS SM SS
Sound VIA VT686A **ISA Slot:** Onboard
Mouse Logitech MouseMan Mouse COM PS/2

The following PCI/AGP VGA cards test 3D WinBench 200 V1.0 /3Dmark 2000/Final Reality 1.01 under Windows 98 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	4.12.2635
	Rage 128GL	Rage Fury	4.12.7016
	Rage 128GL	All-In-Wonder 128	4.12.7016
	Rage 128GL	XPERT 128	4.12.7016
	Rage 128VR	XPERT 2000	4.12.7016
	Rage 128 Pro	Rage Fury MAXX	4.12.7942
	Rage XL	Rage XL	4.12.2635
Matrox	MGA-G200	Millennium G200	4.12.01.2640
	MGA-G200A	Millennium G200 LE	4.12.01.2640
Leadtek	SiS 6326 DVD	Winfast 3D S700	4.10.01.0905
	SiS 300	Winfast VR300	4.12.01.1030
3D labs	Glint R3	Oxygen VX1	4.12.01.2107
ELSA	3Dlabs Permedia II	Gloria Synergy	4.11.01.0203
	Riva TNT	ERAZOR II	4.12.01.0634
	3Dfx Voodoo Banshee	Victory II	4.11.01.0300
	Riva TNT2 Vanta	ERAZOR III LT-16	4.12.01.0634
Top Soolution	SiS 300 + 301	VR300DH	4.12.01.1040
Cardex 3dfx	Riva TNT2 Vanta	Cardexpert TNT2 Vanta	4.12.01.0631
	S3 Savage 2000	Cardexpert Savage 2000	4.12.01.9014
	Voodoo 3 2000	Voodoo 3 2000	4.12.01.0638
	Voodoo 3 3000	Voodoo 3 3000	4.12.01.0638



	Voodoo 3 3500	Voodoo 3 3500 TV	4.12.01.0638
	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
Diamond	Riva TNT2 Ultra	Viper V770 Ultra	4.12.01.0368
	S3 Savage 2000	Viper II	4.12.01.9007
Matrox	MGA-G400	Millennium G400 SH	4.12.01.1640
	MGA-G400	Millennium G400 MAX	4.12.01.1640
ATI	Rage 128 Pro	Rage Fury Pro	4.12.7016
	Rage 128 Pro	All-In-Wonder 128 Pro	4.12.7016
	Rage 128 Pro	XPERT 2000 Pro	4.12.7016
	Radeon	Radeon	4.12.7020
ELSA	Riva TNT2	ERAZOR III	4.12.01.0634
	Riva TNT2	Synergy II	4.12.01.0634
	Savage 4	Winner II	4.11.01.0310
	Riva TNT2 Pro	ERAZOR III Pro	4.12.01.0634
	Riva TNT2 M64	ERAZOR III LT	4.12.01.0634
	Riva GeForce 256	ERAZOR X	4.12.01.0634
	Riva GeForce 256 DDR	ERAZOR X ²	4.12.01.0634
	Riva Geforce2 GTS	GLADIAC	4.12.01.0634
	GeForce2 MX	GLADIAC MX	4.12.01.0634

8.2.2 SCSI Adapter Products

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A
CPU AMD Athlon 1GHz AMD
Memory KingSton 128MB (PTT3S128081T-8) Total: 256 MB PC66 PC100
VGA ATI Xpert 128 AGP VGA PCI_Slot: AGP
HDD IBM DCAS-34330 4.3GB SCSI HDD Ultra II SCSI Ultra Wide
 Quantum Atlas 10K 18.2GB SCSI HDD Ultra SCSI Ultra Wide
CD-ROM TEAC CD-532S 32X SCSI Ultra SCSI Ultra Wide
Sound VIA VT686A ISA_Slot: On board
Mouse Logitech MouseMan Mouse COM PS/2



The following PCI SCSI cards run Winstone 99 under Windows 98 SE with their respective SCSI drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

Vendor	Model Name	Product Description	Bus I/F
Adaptec	AHA-2940UW	Adaptec AHA-2940UW PCI SCSI card	PCI
	AHA-2940U2W	Adaptec AHA-2940U2W PCI SCSI card	PCI
BusLogic	BT-930	Buslogic BT-930 SCSI	PCI
	BT-950R	Buslogic BT-950R SCSI	PCI
Initio	INI-9100UW	Initio INI-9100UW PCI SCSI	PCI
Tekram	DC-390U2W	Tekram DC-390U2W PCI SCSI	PCI

8.3 Storage

8.3.1 SCSI Peripheral Products

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A .
 Win 2000 Ver: 5.00.2195
CPU AMD Athlon 950MHz AMD
Memory KingSton 128MB (PTT3S128081T-8) Total: 256 MB PC66 PC100
VGA Voodoo3 3000 16MB SDRAM PCI_Slot: AGP
SCSI AHA-2940U2W Ultra 2 SCSI ISA PCI_Solt: 2
Mouse Logitech First Mouse+ Mouse COM PS/2

The following SCSI devices test WinStone 99 under Windows 98/2000 with their respective SCSI drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

ITEM	Vendor	Model Name	Product Description
Hard Disk	Quantum	Atlas V	Ultra Wide SCSI HDD 18GB
	Seagate	ST39204LW	Cheetah Ultra160 Wide 9GB
	IBM	DCAS34330	UltraII SCSI HDD 4.5GB
		DMVS IEC-950	Ultra2 Wide SCSI HDD 9.1GB
CD-ROM	Plextor	PX-W124Tsi	UltraII SCSI CD-RW 32X
CD-RW	TEAC	CD-523S	Ultra SCSI CD-ROM 32X

8.3.2 IDE Fixed Disk Drive Products

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A .
 Win NT Ver: 4.0 + SP6
CPU AMD Athlon 1.1GHz AMD



Memory SIEMENS 128MB (HYB39S64800CT-8) **Total: 256 MB** PC66 PC100
CD-ROM Creative CD5220E 52X IDE CD-ROM **Channel:** PM PS SM SS
VGA ELSA ERAZOR III 32MB SDRAM PCI_Slot:____ AGP
Sound VIA VT686A ISA_Slot:____ On board
Mouse Logitech First Mouse+ Mouse COM PS/2

The following IDE devices test Winbench 99 and WinStone 99 under Windows 98/NT with High-Point IDE Bus Master drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

8.3.2.1 IDE Ultra DMA/66

Vendor	Model Name	Mode	Capacity
WD	Cavlar 205BA	Ultra DMA 66	20.5GB
Seagate	ST-313032A	Ultra DMA 66	13GB
	ST-330630A	Ultra DMA 66	30.6GB
IBM	DJNA-351350	Ultra DMA 66	13.5GB
	DPTA-353750	Ultra DMA 66	37.5GB
Maxtor	91021U2	Ultra DMA 66	10.2GB
	93073U6	Ultra DMA 66	30.7GB
Fujitsu	MPE3102AH	Ultra DMA 66	10.2GB
Quantum	Fireball LM	Ultra DMA 66	20.5GB
Samsung	SV2046D	Ultra DMA 66	20.4GB

8.3.3 Floppy Disk Drive Products

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A Win NT Ver: 4.0 + SP6
CPU AMD Duron 700MHz AMD
Memory NEC 128MB (D4564841G5-A80-9JF) **Total: 128 MB** PC66 PC100
VGA Matrox Millennium G400 MAX PCI_Slot:____ AGP
HDD WD Cavlar 205BA 20.5GB IDE PIO4 UDMA/66
Channel: PM PS SM SS
CD-ROM BTC BCD 48SB 48X IDE **Channel:** PM PS SM SS
Sound VIA VT686A ISA_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 under Windows 98/NT with VIA IDE Bus Master 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

8.3.4 ATAPI CD-ROM /DVD-ROM Device Product

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A .
 CPU AMD Athlon 800MHz AMD
 Memory SIMONS 128MB(D45128163G5-A10B-9JF) Total: 128 MB PC66 PC100
 HDD IBM DJNA-371350 13.5GB IDE PIO4 UDMA/66
 Channel: PM PS SM SS
 VGA ELSA ERAZOR III 32MB SDRAM PCI_Slot: AGP
 Sound VIA VT686A ISA_Slot: On board
 Mouse Logitech TrackmanMarble Mouse COM PS/2

The following IDE devices test CD Winbench 99 and play VCD/DVD under indows 98 with VIA IDE Bus Master drivers installed and set to the follow condition 1024 x 768 x 16bit colors, resolution refresh rate of 85Hz, small font.

8.3.4.1 ATAPI CD-ROM:

Vendor	Model Name	Product Description
TEAC	CD-540E	ATAPI CD-ROM 40X UDMA2
Creative	CD5220E	ATAPI CD-ROM 52X Mode4
BTC	BCD 48SB	ATAPI CD-ROM 48X UDMA2

8.3.4.2 ATAPI DVD-ROM:

Vendor	Model Name	Product Description
Afreey	DD-4008E	ATAPI DVD-ROM 8.0X
	DD-4010E	ATAPI DVD-ROM 10X
Lite-On	LTD-122	ATAPI DVD-ROM 12X
Creative	DVD8400E	ATAPI DVD-ROM 8.0X
	DVD1242E	ATAPI DVD-ROM 12X
Panasonic	SR-8584-B	ATAPI DVD-ROM 6.0X
	SR-8585-B	ATAPI DVD-ROM 8.0X



Acer	DVP 1640A	ATAPI DVD-ROM 16X
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8.4 Peripherals

8.4.1 Parallel/Serial Port Products

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A
CPU AMD Duron 750MHz AMD
Memory Apacer 128MB(GM72V66841ET7K) **Total:** 128 MB PC66 PC100
HDD Maxtor 91021U2 10.2GB IDE PIO4 UDMA/66
CD-ROM Creative DVD1242E 12X IDE DVD **Channel:** PM PS SM SS
VGA ATI Xpert 2000 pro 32MB SDRAM **Channel:** PM PS SM SS
Sound VIA VT686A **PCI_Slot:** AGP
Mouse Logitech TrackMan Marble Mouse **ISA_Slot:** On board
 COM PS/2

The following Parallel/Serial devices be tested under Windows 95/98 with VIA IDE Bus Master drivers installed.

Vendor	Product Description	Bus I/F
HP	HP LaserJet 6P support IR Interface	LPT
Mustek	Mustek 1200CP Scanner	LPT
Kodak	DC210 InfraRed/Serial port Digital camera	COM

8.4.2 Mouse Products

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A
CPU AMD Duron 750MHz AMD
Memory Apacer 128MB(GM72V66841ET7K) **Total:** 128 MB PC66 PC100



HDD Maxtor 91021U2 10.2GB IDE **PIO4** UDMA/66
Channel: PM PS SM SS
CD-ROM Creative DVD1242E 12X IDE DVD **Channel:** PM PS SM SS
VGA ATI Xpert 2000 pro 32MB SDRAM **PCI_Slot:** ____ AGP
Sound VIA VT686A **ISA_Slot:** ____ On board

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

Vendor	Model Name	Product Description	Bus I/F
Microsoft	AMDliMouse	Microsoft IntelliMouse Serial - PS/2 Mouse	Serial/ PS2
	IntelliMouse	IntelliMouse USB/PS2 Mouse (w IntelliEye)	USB/PS2
Logitech	MouseMan	Logitech MouseMan Serial - PS/2 Mouse	Serial/ PS2
Genius	NetMouse	Genius NetMouse PS/2 Mouse	PS2
Samsung		Cyber Beetle Mouse (Optical)	PS2

8.4.3 USB Device Products

Test Configuration:

OS Ver Win 98 SE Ver: 4.10.2222A
CPU AMD Duron 800MHz AMD
Memory KingSton 64MB(TC59SM716FT-80) **Total: 64 MB** PC66 PC100
HDD Seagate ST-313032A 13GB IDE **PIO4** UDMA/66
Channel: PM PS SM SS
CD-ROM Creative DVD1242E 12X IDE DVD **Channel:** PM PS SM SS
VGA ELSA Synergy II 32MB SDRAM **PCI_Slot:** ____ AGP
Sound VIA VT686A **ISA_Slot:** ____ On board
Mouse Logitech First Mouse+ Mouse **COM** PS/2

The following USB devices be tested under Windows 98 with Win 98 default driver installed.

Type	Vendor	Description
Mouse	Logitech	USB Wheel Mouse
		USB MouseMan Wheel
		USB Wheel Mouse (Optical)
	Microsoft	IntelliMouse USB/PS2 Mouse
		IntelliMouse Optical USB/PS2 Mouse
		IntelliMouse explorer USB/PS2 Mouse
	Justy	UM-400
	XNTC	98NS1-U2
Cypress	7-895 Mouse	
Camera	IBM	XVP610
HUB	Belkin	Express Bus F5U001
Keyboard	BTC	8113W
	Jetime	ACK-298H
	Microsoft	Natural Keyboard Pro (USB/PS2)



Printer	EPSON	Stylus Color 740
		Stylus Color 900
Scanner	EPSON	GT-7000
Speaker	Philips	MAGNAVOX DSS350
ZIP	iomega	ZIP 250
GamePad	Creative	Cobra USB GamePad
	Logitech	WingMan Extreme USB GamePad
Joystick	Genius	Flight2000 F-22X
	Logitech	WingMan Formula Force joystick
	Thrustmaster	TOP Gun

8.5 Power Supply Products

Test Configuration:

OS Ver Win 98 **SE Ver:** 4.10.2222A .
CPU AMD Duron 8000MHz AMD
Memory KingMax 128MB(KSV884T4A1A-08A) **Total:** 256 MB PC66 PC100
HDD IBM DTLA-353750 37.5GB IDE UDMA/33 UDMA/66
Channel: PM PS SM SS
CD-ROM Panasonic SR-8584B 6X IDE DVD **Channel:** PM PS SM SS
VGA ATI Rage Fury 32MB SDRAM PCI_Slot:____ AGP
Sound VIA VT686A ISA_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 98 SE with over 10 times.

Vendor	Product Description	Power	Type
HIPRO	HP-A1463F5	145W	SFX



9. Software Compatibility Test Suite

9.1 Base Operating System

9.1.1 Microsoft Windows 98 SE:

Test Configuration:

CPU AMD Athlon 1.1GHz AMD
Memory KingSton 64MB (TC59SM716FT-80) **Total: 128 MB** PC66 PC100
HDD Seagate ST-330630A 30.6GB IDE PIO4 UDMA/66
Channel: PM PS SM SS
VGA ELSA ERAZOR III 32MB SDRAM PCI_Slot:____ AGP
Sound VIA VT686A ISA_Slot:___ On board
CD-ROM Creative DVD1242E 12X IDE DVD **Channel:** PM PS SM SS
Mouse Logitech TrackMan Marble Mouse COM PS/2

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



VCD/DVD play (name: Mercury Rising)	PASS	
PM function by WIN98 (H/W)	PASS	
WinStone 99 (Business WS99)	PASS	
CC WinStone 2000	PASS	
WinBench 99 (BD/BG/CPU/FPU/HD/HG)	PASS	
3D Winbench 2000 (3D Quality/3D Winmark)	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 98 SE	4.10.2222A	English	Microsoft	Pass

9.1.2 Microsoft Windows 2000:

Test Configuration:

CPU AMD Athlon 1.1GHz AMD
Memory SEC 256MB (KM48S16030T-GL) **Total: 512 MB** PC100 PC133
HDD Samsung SV2046D 20.4GB IDE PIO4 UDMA/33 UDMA/66
Channel: PM PS SM SS
VGA ATI Xpert 2000 pro 32MB SDRAM PCI_Slot: ____ AGP
Sound VIA VT686A ISA_Slot: __. On board
CD-ROM Afrey DD-4010E 10X 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	
Format FDD	PASS	
Cool boot 2 times under every combination	PASS	
Reboot 2 times under every combination	PASS	
Install Office 2000	PASS	
VGA Resolution/Color change	PASS	
Auto Shutdown (system power off)	PASS	
Hibernate (Suspend To Disk)	PASS	
Defrag test	PASS	
VCD/DVD play (name: Mercury Rising)	PASS	
PM function by Win2000 (H/W & Time out & Stand by)	PASS	
WinStone 99 (Business /High End WS99)	PASS	
CC WinStone 2000	PASS	
WinBench 99 (BD/BG/CPU/FPU/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
MS Windows 2000 Professional	5.00.2195	English	Microsoft	Pass

9.1.3 Microsoft Windows NT 4.0 + Service Pack 6:

Test Configuration:

CPU AMD Athlon 1.1GHz AMD
Memory KingMAX 64MB(KSV884T4A1A-08A) Total: 128 MB PC66 PC100
HDD IBM DJNA-371350 13.5GB IDE PIO4 UDMA/33 UDMA/66
VGA Voodoo3 3000 16MB SDRAM PCI_Slot:____ AGP
Sound VIA VT686A ISA_Slot:___ On board
CD-ROM Creative DVD8400E 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	
Diskcopy	PASS	
IDE Bus Master install	PASS	
VGA Resolution/Color change	PASS	
PM function by Win NT	PASS	
WinStone 99	PASS	
CC WinStone 2000	PASS	
WinBench 99 (BD/BG/CPU/FPU/HD/HG)	PASS	
BAPCO for Win NT 4.0 (SYSmark32)	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