

FIC AZ11EA PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT

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Supervisor	Tester

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*Table of Contents*

1. Introduction	3
2. Mainboard Features	4
3. Mainboard CPU Supports:	4
4 System Specification for Hardware and Software Utilities	4
5. Jumper Function Verification	5
6. Stability Test	6
6.1 CPU Over Clock Test:	6
6.2 Full Loading Test:	6
6.3 PCB Cool Boot Test: (12hours)	6
7. Field (Stress) Test: Dynamic Burn-in Tests	7
8. Hardware Compatibility Test Suite	8
8.1 Memory	8
8.1.1 SDRAM DIMM Module (PC100)	8
8.1.2 SDRAM DIMM Module (PC133)	9
8.2 Add-on Cards	10
8.2.1 Display Adapter Products	10
8.2.1.1 2X AGP Display Adapter Products	10
8.2.1.2 4X AGP Display Adapter Products	11
8.2.1.3 PCI Display Adapter Products	12
8.2.2 SCSI Adapter Products	12
8.2.3 CNR Products	13
8.2.4 FAX / Modem Products	13
8.3 Storage	14
8.3.1 SCSI Peripheral Products	14
8.3.2 IDE Fixed Disk Drive Products	15
8.3.2.1 IDE ATA/66	15
8.3.2.2 IDE ATA/100	15
8.3.3 Floppy Disk Drive Products	16
8.3.4 ATAPI CD-ROM /DVD-ROM Device Product	17
8.3.4.1 ATAPI CD-ROM	17
8.3.4.2 ATAPI DVD-ROM	17
8.4 Peripherals	18
8.4.1 Parallel/Serial Port Products (Including IR)	18
8.4.2 Mouse Products	19
8.4.3 USB Device Products	19
8.4.4 Joystick & Game Pad	20
8.5 Power Supply Products	21
9. Software Compatibility Test Suite	22
9.1 Base Operating System	22
9.1.1 Microsoft Windows 98 SE:	22
9.1.2 Microsoft Windows 2000:	23
9.1.3 Microsoft Windows NT 4.0 + Service Pack 6:	24
9.1.4 IBM OS/2 4.0:	25
9.1.5 LINUX:	26
9.1.6 Microsoft Windows ME:	26

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	:	AZ11EA PCB Rev 1.0
Product Name	:	VIA KT133A Based Mainboard
System BIOS	:	Award BIOS Version VDC46
PCI IDE	:	Internal PCI Mastre dual IDE
I/O	:	VIA VT686B

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
Duron 850MHz	100	Pass
Duron 900MHz	100	Pass
Duron 950MHz	100	Pass
Athlon 700MHz	100	Pass
Athlon 800MHz	100	Pass
Athlon 850MHz	100	Pass
Athlon 900MHz	100	Pass
Athlon 950MHz	100	Pass
Athlon 1GHz	100/133	Pass
Athlon 1.1GHz	100	Pass
Athlon 1.133GHz	133	Pass
Athlon 1.2GHz	100/133	Pass
Athlon 1.3GHz	100/133	Pass
Athlon 1.4GHz	100/133	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 KT133A (VT8363A_A+686B_B)
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 5 PCI slots and 1CNr slot
Audio	OnChip VIA VT686B AC'97 Audio on board



IO Corelogic	VIA VT686B Support Normal,EPP,ECP mode and IR interface
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4.1 Main Functionality :

Num.	M/B function	Result
1	ACPI Ready (under Win 98 SE/ME/Win 2000)	PASS
2	APM 1.2	PASS
3	Wake On LAN	PASS
4	RTC Alarm Function	PASS
5	H/W Monitoring (+/-12V,+/-5V,Vccp,+5VR)	PASS
6	Ultra ATA-33/66/100 Enhanced IDE Interface	PASS
7	NOVUS II	Logo Genie
		BIOS Easy Kit
		BIOS Flash Protect (Guardian feature)
8	CNR Function	PASS
9	Front/Rear USB Function	PASS
10	Front Audio Function	PASS
11	Power Failure feature	PASS
12	Year 2000 Compliance	PASS

4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	VIA IDE Bus Master for Win 98/ME/2000/NT	2.1.49	PASS
2	VIA AGP VxD Utilities for Win 95/98	4.05	PASS
3	VIA INF Driver	1.02	PASS
4	VIA IRQ Routing Table	1.30	PASS
5	Onboard VIA VT686B Audio driver for Win 9x	1.20A	PASS
6	Onboard VIA VT686B Audio driver for Win ME	1.20A	PASS
7	Onboard VIA VT686B Audio driver for Win 2000	1.20A	PASS
8	Onboard VIA VT686B Audio driver for Win NT	1.20A	PASS
9	Award BIOS Flash ROM Utilities	8.02A	PASS

5. Jumper Function Verification

Description	Jumper Name	Default Option	Status
Speaker Connector	SPK	Open	Pass
Power LED	PWR_LED	Open	Pass
IDE HDD LED Connector	HDD_LED	Open	Pass
Reset Button	RST	Open	Pass
Remote Power Switch	PWR_BTN	Open	Pass
Sleep LED	SLP_LED	Open	Pass
Sleep Button	SP_SW	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



None Over Clock	NOC	On	Pass
Auto Detect Freq. Ratio Setting	ADR	1-2	Pass
Bus Ratio Setting	ADR_SW	on-on-off-on	Pass
Auto Detect Core Voltage Setting	ADV	1-2	Pass
CPU Core Voltage Setting	ADV_SW	On-off-off-off	Pass

6. Stability Test

6.1 CPU Over Clock Test:

System Configuration	
CPU : AMD Athlon 1GHz	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	Audio : Onboard 686B AC'97 Audio
Memory : SDRAM 128MB (128MB x1)	Mouse : Microsoft PS/2 mouse
HDD (ATA/100) : IBM DTLA-305020A 20GB	PowerSupply : Seventeam ST-310HR ATX
VGA : ASUS AGP-V7700 Deluxe AGP	O.S. Environment: Windows ME
DVD-ROM : Hitachi GD-2500 6X	

NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	PM	Winstone 2001	3D Mark2001
1	135MHz	1013MHz	Pass	Pass	Pass	Pass	Pass
2	137MHz	1028MHz	Pass	Pass	Pass	Pass	Pass

6.2 Full Loading Test:

System Configuration	
CPU : AMD Athlon 1GHz(FSB 133)	PCI 1 : Creative 128 sound card
Cache Memory : 256 K	PCI 2 : Accton En1207D LAN card
Memory : SDRAM 256MB (128MB x 2)	PCI 3 : Intel 82559 LAN card
HDD 1 : IBM DTLA-371350 13.5GB	PCI 4 : Tekrem DC-390F SCSI card
HDD2 : Seagate ST-330631A 30.6GB	PCI 5 : ASC-39160 SCSI card
HDD3 : IBM DTLA-305020A 20GB	CNR : Taicom 56KV.90 Modem card
DVD-ROM : Hitachi GD-2500 6X	Mouse : Microsoft PS/2 mouse
VGA : ASUS AGP-V8200AGP	PowerSupply : Telta HI-300PB 300W ATX
FDD : NEC FD1231T 1.44MB	O.S. Environment: Windows 2000

Test Result						
Cool boot	BIOS detect	Install OS	All devices Driver install	PM	Winstone 2001	3D Mark 2001
Pass	Pass	Pass	Pass	Pass	Pass	Pass

6.3 PCB Cool Boot Test: (12hours)

System Configuration



CPU : AMD Athlon 850MHz (FSB 100)	FDD : NEC FD1231T 1.44MB
Cache Memory : 256 K	PowerSupply : Seventeam ST-300BLV ATX
Memory : SDRAM 384MB (128MB x 3)	
VGA : ELSA Geforce2 MX 400	

Test Result	
Cool Boot (over 600 times)	Pass

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

Software Name	Duration	Result
Winstone 2001 Under WIN ME	12hr.	<i>Pass</i>
Test Configurations for Win ME	AMD Athlon 1.1GHz IBM DTLA-307015 ATA/100 15.3GB HDD KingSton 384MB SDRAM Memory.(Winbond) x 3 ELSA GLADIAC AGP VGA	
Winstone 2001 Under WIN2000	12hr.	<i>Pass</i>
Test Configurations for Win 2000	AMD Athlon 1.3GHz WD 300 ATA/100 30GB HDD SIEMENS 320MB SDRAM Memory.(128x2+64x1). Leadtek WinFast S320II Pro AGP VGA	



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 AMD Athlon 1.33GHz (Bus clock 133MHz) AMD
HDD Maxtor 53073H6 30.6GB IDE ATA/66 ATA/100
Channel: PM PS SM SS
VGA Matrox Millennium G400 Max PCI_Slot: . AGP 4X
CD-ROM Lite-On LTN-301 32X IDE Channel: PM PS SM SS
Sound VIA VT686B ISA_Slot: . On board
Mouse Microsoft IntelliMouse PS/2 Mouse COM PS/2

The following SDRAM module test Winstone 2001/3D Mark 2001 under Windows ME/2000 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	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
NEC	D4564841G5-A75-9JF	No	64MB	S	MC-458CB647LF-A75
KingMAX	KSV884T4A1A-07	No	64MB	S	MPG643S-883
	KSV884T4A1A-07	No	128MB	D	MPGA83S-883
	KSV884T4A1A-06	No	128MB	D	MPGA83S-883
	KSV684T4A1A-06	No	256MB	D	MPJB63S-68KX
Transcend	K4S640832D-TC75	No	256MB	D	TS16MLS64V6W (SEC)
Apacer	HYB39S64800BT-7.5	No	64MB	S	71.63350.114 (Infineon)
	AM2V648C2T75	No	64MB	S	71.63350.034 (Apacer)
	HYB39S64800BT-7.5	No	128MB	D	71.73350.114 (Infineon)
	GM72V66841XT75	No	128MB	D	71.73350.064 (Hyundai)
	AM2V648C2T75	No	128MB	D	71.73350.034 (Apacer)
Buffalo	W981208AH-75	No	128MB	S	VS133-128M (Winbond)
	5264805FTT75	No	64MB	S	VS133-64M (Hitachi)
	5264805FTT75	No	128MB	D	VS133-128M (Hitachi)
	GM72V66841ET7K	No	128MB	D	VS133-128M (Hyundai)
	K4S6408320-TC1H	No	128MB	D	VS133-128M (SEC)
V-TEC	GM72V66841ET75	No	64MB	S	
PQI	PQ3S168V75	No	128MB	S	DT133128MB-T00951
	PQ3S168V75	No	256MB	D	DT133256MB-T00951
	PQ3S644S75	No	512MB	D	MS3812UPS
KingSton	TC59SM708FT-75	No	128MB	S	KGM133X64C3/128(Toshiba)
	HYB39S64800BT-7.5	No	64MB	S	KVR-PC133/64 (Infineon)
	HYB39S64800BT-7.5	No	128MB	D	KVR-PC133/128 (Infineon)
	0312804CT3A-75A	No	256MB	D	KVR-PC133/256 (IBM)
	V54C3128804VAT7	No	256MB	D	KVR133X64C3/256(Mosel)
	W981208BH-75	No	256MB	D	KVR133X64C3/256(Winbond)
	D45128841G5-A75-9JF	No	256MB	D	KVR133X64C3/256 (NEC)
SIMONS	D45128841G5-A80-9JF	No	128MB	S	



8.2 Add-on Cards

8.2.1 Display Adapter Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .
CPU AMD Athlon 1.133GHz(FSB 133MHz) AMD
Memory Buffalo 128MB (Winbond) **Total: 256 MB** PC66 PC133
HDD Maxtor 52049H4 20.4GB ATA/66 ATA/100
Channel: PM PS SM SS
CD-ROM Pioneer DVD-116 16X IDE DVD **Channel:** PM PS SM SS
Sound VIA VT686B **ISA_Slot:** Onboard
Mouse Logitech MouseMan Mouse COM PS/2

The following PCI/AGP VGA cards test 3Dmark 2001/Final Reality 1.01 /Suspend to Disk(S4) 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 128GL	Rage Fury	4.13.7094
	Rage 128GL	All-In-Wonder 128	4.13.7094
	Rage 128GL	XPERT 128	4.13.7094
	Rage 128VR	XPERT 2000	4.13.7093
	Rage XL	Rage XL	4.12.01.2647
	Rage 128 Pro	Rage Fury MAXX	4.12.7942
	Radeon VE	Radeon VE	4.13.7115
ASUS	Riva TNT	AGP-V3400TNT	4.12.01.0631
Matrox	MGA-G200	Millennium G200	4.12.01.2730
	MGA-G200A	Millennium G200 LE	4.12.01.2730
Leadtek	Riva TNT2 Ultra	Winfast 3D S320 II Ultra	4.13.01.1200
	SiS 300	Winfast VR300	4.12.01.1030
Creative	Riva TNT2 Ultra	3D Blaster Riva TNT2 Ultra	4.12.01.0650
	Riva TNT2 M64	Riva TNT2 Value	4.12.01.0650
ELSA	Riva TNT	ERAZOR II	4.12.01.0667
Mitac	Voodoo 3 1000	Voodoo 3 1000	4.12.01.0666
	Riva TNT2 Vanta LT	Riva TNT2 Vanta LT	4.12.01.0650
3dfx	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
Matrox	MGA-G400	Millennium G400 SH	4.12.01.1810
	MGA-G400	Millennium G400 MAX	4.12.01.1810
	MGA-G450	Millennium G450	4.12.01.1810
ATI	Rage 128 Pro	Rage Fury Pro	4.13.7110
	Rage 128 Pro	XPERT 2000 Pro	4.13.7110
	Rage 128 Pro	All-In-Wonder 128 Pro	4.13.7110
	Radeon	Radeon	4.13.7115
	Radeon	All-In-Wonder Radeon	4.13.7115
Leadtek	Riva TNT2 Vanta	WinFast 3D S320V	4.13.01.1200
	Riva TNT2 M64	WinFast 3D S325	4.13.01.1200
	Riva GeForce 256	Winfast GeForce256	4.13.01.1200
	GeForce2 GTS	Winfast GeForce 2 GTS	4.13.01.1200
	GeForce2 MX	Winfast GeForce2 MX	4.13.01.1200
	Riva TNT2 Pro	WinFast 3D S320 II Pro	4.13.01.1200
	Riva Geforce3	WinFast Geforce3	4.13.01.1200
Creative	Riva Geforce 256	3D Blaster GeForce256	4.12.01.0650
	Riva Geforce 256	3D Blaster GeForce Pro	4.12.01.0650
	GeForce2 GTS	3D Blaster Geforce2 GTS	4.12.01.0650
ASUS	Riva TNT2 Pro	AGP-V3800 Pro	4.13.01.1260
	Riva GeForce 256	AGP-V6600	4.13.01.1260
	GeForce256 DDR	AGP-V6800	4.13.01.1260
	GeForce2 MX	AGP-V7100	4.13.01.1260
	Riva GeForce2 GTS	AGP-V7700	4.13.01.1260
	GeForce2 GTS	AGP-V7700 Deluxe	4.13.01.1260
	GeForce3	AGP-V8200 Deluxe	4.13.01.1260
Cardex	Savage 2000	Cardexpert Savage 2000	4.12.01.9015
	Riva TNT2 Vanta	Cardexpert TNT2 Vanta	4.12.01.0776
	GeForce2 MX	GeForce2 MX	4.12.01.0776
ELSA	Riva TNT2	ERAZOR III	4.12.01.0756
	Riva TNT2	Synergy II	4.12.01.0756
	Riva TNT2 M64	ERAZOR III LT	4.13.01.1240
	Riva TNT2 Vanta	ERAZOR III LT-16	4.13.01.1240
	Riva TNT2 Pro	ERAZOR III Pro	4.13.01.1240
	Riva GeForce 256	ERAZOR X	4.13.01.1240
	Riva GeForce 256 DDR	ERAZOR X ²	4.13.01.1240



GeForce2 MX	GLADIAC MX	4.13.01.1240
GeForce2 Ultra	GLADIAC Ultra	4.13.01.1240
GeForce2 MX 400	GLADIAC 511	4.13.01.1240
GeForce2 GTS Pro	GLADIAC Pro	4.13.01.1240

8.2.1.3 PCI Display Adapter Products

Vendor	VGA Chip	Product Description
Creative	S3 Savage 4	3D Blaster Savage 4
Cardex	SiS 6326	Cardexpert 6326
3dfx	Voodoo 5-5500	3dfx Voodoo 5-5500 PCI
3dfx	Voodoo 3-3000	3dfx Voodoo 3-3000 PCI

8.2.2 SCSI Adapter Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .
 Win 2000 Ver: 5.00.2195 .
 CPU AMD Athlon 1.0GHz AMD
 Memory Buffalo 128MB (Hyundai) Total: 256 MB PC100 PC133
 VGA ASUS AGP-V7700 PCI_Slot: AGP
 HDD Seagate ST-318404LW 18GB Ultra SCSI Ultra Wide
 CD-ROM Plextor PX-40Tsi 40X SCSI Ultra SCSI Ultra Wide
 Sound VIA VT686B ISA_Slot: On board
 Mouse Logitech MouseMan Mouse COM PS/2

The following PCI SCSI cards run Winstone 2001/Large file copy under Windows ME and CC Winstone 2001 under Win 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.

Vendor	Model Name	Product Description	Bus I/F
Adaptec	AHA-2940U2W	Adaptec AHA-2940U2W PCI SCSI card	PCI
	ASC-19160	Adaptec Ultra 160 PCI SCSI card 19160	PCI
	ASC-29160	Adaptec Ultra 160 PCI SCSI card 29160	PCI
	ASC-29160N	Adaptec Ultra 160 PCI SCSI card 29160	PCI



	ASC-39160	Adaptec Ultra 160 PCI SCSI card 39160	PCI
Tekram	DC-390U3W	Tekram DC-390U3W PCI SCSI	PCI

8.2.3 CNR Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .
CPU AMD Athlon 700MHz AMD
Memory PQI 128MB(PQI) **Total: 384 MB** PC100 PC133
VGA ASUS AGP-V8200 **PCI Slot: .** AGP
HDD IBM DTLA-305020 20.5GB **ATA/66** ATA/100
Channel: PM PS SM SS
CD-ROM Hitachi GD-2500 6X IDE **Channel:** PM PS SM SS
Sound VIA VT686B **ISA Slot: .** Onboard
Mouse Logitech MouseMan Mous e **COM** PS/2

The following CNR card test includes connecting to the internet and download files under under Windows ME 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

8.2.4 FAX / Modem Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .
CPU AMD Athlon 700MHz AMD
Memory PQI 128MB(PQI) **Total: 384 MB** PC100 PC133
VGA ASUS AGP-V8200 **PCI Slot: .** AGP
HDD IBM DTLA-305020 20.5GB **ATA/66** ATA/100
Channel: PM PS SM SS
CD-ROM Hitachi GD-2500 6X IDE **Channel:** PM PS SM SS
Sound VIA VT686B **ISA Slot: .** Onboard



Mouse Logitech MouseMan Mous e

ÿCOM PS/2

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

Vendor	Product Description	Bus I/F
CIS	Soft 56K data/Fax/RTAP	Internal/PCI
Askey	1456VQH75	Internal/PCI

8.3 Storage

8.3.1 SCSI Peripheral Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .

Win 2000 Ver: 5.00.2195 .

CPU AMD Athlon 1.2GHz AMD

Memory KingMax 128MB (KingMax) Total: 256 MB ÿPC100 PC133

VGA Leadtek Geforce2 GTS ÿPCI_Slot: . AGP

SCSI ASC-29160N Ultra2 Wide SCSI ÿISA PCI_Solt: 2 .

Mouse Logitech First Mouse+ Mouse ÿCOM PS/2

The following SCSI devices test and WinStone 2001 under Windows ME/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	IBM	DDRS-39130	UltraII SCSI HDD 9.1GB
		DMVS IEC-950	Ultra2 Wide 36GB
	Quantum	Atlas V	Ultra2 Wide 18GB
	Seagate	ST-39173W	Barracuda 9LP Ultra Wide 9.1GB
		ST318436LW	Barracuda Ultra160 Wide 18GB
		ST318404LW	Cheetah Ultra160 Wide 18GB
		ST-34502LW	Cheetah 9LP Ultra2 Wide 4.5GB
CD-ROM CD-RW	Plextor	PX-40Tsi	Ultra SCSI CD-ROM 40X
	Toshiba	XM-6210B	Ultra SCSI CD-ROM 32X
		NEC	CDR-1910
	TEAC	CD-523S	Ultra SCSI CD-ROM 32X
		CD-R56S	SCSI-II CD-ROM 24R/6W/4RW



8.3.2 IDE Fixed Disk Drive Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000
 CPU AMD Athlon 1.2GHz AMD
 Memory KingMax 128MB (KingMax) Total: 256 MB PC100 PC133
 VGA Leadtek Geforce2 GTS PCI Slot: AGP
 CD-ROM NEC DV-5700B 12X IDE DVD Channel: PPM PS SM SS
 Sound VIA VT686B ISA Slot: On board
 Mouse Logitech First Mouse+ Mouse COM PS/2

The following IDE devices test and WinStone 2001/Copy large files under Windows ME/2000 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.

8.3.2.1 IDE ATA/66

Vendor	Model Name	Mode	Capacity
WD	AC313000	Ultra ATA 66	13GB
	AC205B	Ultra ATA 66	20.5GB
Seagate	ST-313032A	Ultra ATA 66	13GB
	ST-317242A	Ultra ATA 66	17.2GB
	ST-320420A	Ultra ATA 66	20.4GB
	ST-320423A	Ultra ATA 66	20.4GB
	ST-328040A	Ultra ATA 66	28.5GB
	ST-330630A	Ultra ATA 66	30.6GB
Fujitsu	MPE3102AH	Ultra ATA 66	10.2GB
	MPE3204AT	Ultra ATA 66	20.4GB
IBM	DJNA-371350	Ultra ATA 66	13.5GB
	DPTA-352030	Ultra ATA 66	20GB
	DPTA-353750	Ultra ATA 66	37.5GB
Maxtor	91360U4	Ultra ATA 66	13.6GB
	91531U3	Ultra ATA 66	15.3GB
	92040U6	Ultra ATA 66	20GB
	92049U4	Ultra ATA 66	20GB
	92720U8	Ultra ATA 66	27GB
	93073U6	Ultra ATA 66	30.7GB
	53073U6	Ultra ATA 66	30.7GB
	54098U8	Ultra ATA 66	40.9GB
Samsung	SV2046D	Ultra ATA 66	20.4GB

8.3.2.2 IDE ATA/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-307060	Ultra ATA 100	61.4GB
	DTLA-307075	Ultra ATA 100	76.8GB
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
	5T060H6	Ultra ATA 100	61GB
	98196H8	Ultra ATA 100	80GB
Seagate	ST320414A	Ultra ATA 100	20GB
	ST330631A	Ultra ATA 100	30.6GB
	ST340824A	Ultra ATA 100	40GB
WD	Caviar WD300	Ultra ATA 100	30GB
	Caviar WD400	Ultra ATA 100	40GB
Fujitsu	MPG3204AT	Ultra ATA 100	20.4GB
	MPG3307AT	Ultra ATA 100	30.7GB
Samsung	SV3063H	Ultra ATA 100	30.6GB

8.3.3 Floppy Disk Drive Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .
 CPU AMD Duron 900MHz AMD
 Memory Transcend 128MB (SEC) Total: 128 MB PC100 PC133
 VGA ELSA GLADIAC 511 PCI_Slot: AGP
 HDD WD 400 40GB IDE ATA/66 ATA/100
 Channel: PM PS SM SS
 CD-ROM BTC BCD 48SB 48X IDE Channel: PM PS SM SS
 Sound VIA VT686B 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 ME 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
NEC	FD1231T	1.44 MB Floppy Disk Drive

8.3.4 ATAPI CD-ROM /DVD-ROM Device Product

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .
CPU AMD Athlon 1.2GHz(FSB 133MHz) AMD
Memory SIMONS 128MB(NEC) **Total: 128 MB** PC100 PC133
HDD IBM DJNA-371350 13.5GB IDE **PIO4** ATA/66
VGA ELSA ERAZOR III **Channel: PM** PS SM SS
Sound VIA VT686B **PCI_Slot: _____** AGP
Mouse Logitech TrackmanMarble Mouse **ISA_Slot: _____** On board
COM PS/2

The following IDE devices test play VCD or DVD under windows ME 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
Mitsumi	CRMC-FX320S	ATAPI CD-ROM 32X Mode4
	CRMC-FX4820T	ATAPI CD-ROM 48X UDMA2
Acer	650P	ATAPI CD-ROM 50X UDMA2
LITE-ON	LTN-403L	ATAPI CD-ROM 40X UDMA2
	LTN-485S	ATAPI CD-ROM 48X UDMA2
Hitachi	CDR-8430	ATAPI CD-ROM 32X Mode4
Panasonic	CR-587-D	ATAPI CD-ROM 32X Mode4
Philips	PCA323CD	ATAPI CD-ROM 32X UDMA2
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
SONY	CDU-711	ATAPI CD-ROM 32X UDMA2
	CDU-4811	ATAPI CD-ROM 48X UDMA2
BTC	BCD 48SB	ATAPI CD-ROM 48X UDMA2

8.3.4.2 ATAPI DVD-ROM

Vendor	Model Name	Product Description
ASUS	DVD-E612	ATAPI DVD-ROM 12X
SONY	DDU1211	ATAPI DVD-ROM 12X
Pioneer	DVD-114	ATAPI DVD-ROM 10X
	DVD-115	ATAPI DVD-ROM 16X
	DVD-105S	ATAPI DVD-ROM 16X
	DVD-116	ATAPI DVD-ROM 16X (UDMA66)



Panasonic	SR-8585-B	ATAPI DVD-ROM 8X
	SR-8587-B	ATAPI DVD-ROM 16X
Acer	DVP1640A	ATAPI DVD-ROM 16X
Afreey	DD-4008E	ATAPI DVD-ROM 8X
	DD-4010E	ATAPI DVD-ROM 10X
Creative	DVD1242E	ATAPI DVD-ROM 12X
NEC	DV-5700B	ATAPI DVD-ROM 12X
Lite-On	LTD-122	ATAPI DVD-ROM 12X

8.4 Peripherals

8.4.1 Parallel/Serial Port Products (Including IR)

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .

CPU AMD Athlon 1.13GHz

Memory Apacer 64MB(Apacer)

HDD Maxtor 52049H4 20.4GB IDE

CD-ROM Hitachi GD-2500 6X IDE DVD

VGA ATI Xpert 2000

Sound VIA VT686B

Mouse Logitech TrackMan Marble Mouse

AMD

Total: 192 MB PC100 PC133

ATA/66 ATA/100

Channel: PM PS SM SS

Channel: PM PS SM SS

PCI_Slot: . AGP

ISA_Slot: . On board

COM PS/2

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

Vendor	Product Description	Bus I/F
HP	HP LaserJet 6P support IR Interface	LPT/IR
EPSON	Stylus Color 900	LPT
Mustek	Mustek 1200CP Scanner	LPT
Parallel	DirectParallel universal cable	LPT
iomega	Parallel ZIP 250	LPT
Logitech	WingMan Formula Force joystick	COM
Kodak	DC210 InfraRed/Serial port Digital camera	COM/IR



ACTisys	ACT-IR210L	IR
IRwave	IRwave320F	IR

8.4.2 Mouse Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .
 CPU AMD Athlon 1.2GHz AMD
 Memory Apacer 128MB(Infineon) Total: 384 MB PC100 PC133
 HDD Maxtor 54098H8 40.9GB IDE ATA/66 ATA/100
 Channel: PM PS SM SS
 CD-ROM Lite-On LTN-122 12X IDE DVD Channel: PM PS SM SS
 VGA Leadtek Geforce3 PCI_Slot: ____. AGP
 Sound VIA VT686B ISA_Slot: __. On board
 Mouse Logitech TrackMan Marble Mouse COM PS/2

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

Vendor	Product Description	Bus I/F
Microsoft	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 Wheel Mouse (Optical)	USB/PS2
Genius	NetScroll Optical	PS2
Samsung	Cyber Beetle Mouse (Optical)	PS2

8.4.3 USB Device Products

Test Configuration:

OS Ver Win ME Ver: 4.90.3000 .
 CPU AMD Athlon 850MHz AMD
 Memory Apacer 64MB(Apacer) Total: 192 MB PC100 PC133
 HDD IBM DTLA-305020 20GB IDE ATA/66 ATA/100
 Channel: PM PS SM SS
 CD-ROM ASUS CD-S400/A 40X IDE Channel: PM PS SM SS
 VGA 3dfx Voodoo3 3000 PCI_Slot: ____. AGP
 Sound VIA VT686B ISA_Slot: __. On board
 Mouse 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		
HUB	Belkin	Express Bus F5U001
	SOHOUSB	Unique Energy Saving (4-Port USB Hub)
Camera	Kodak	DVC323
	IBM	XVP610
Faxmodem	USRobotics	56K Voice Faxmodem
Keyboard	BTC	8113W
	Microsoft	Natural Keyboard Pro
	Jetime	ACK-298H
Printer	EPSON	Stylus Color 740
		Stylus Color 900
Ethernet	CATC	USB Ethernet Link
Speaker	YAMAHA	YST-MS35D
Monitor	CTX	PR711F
HDD	Vipower	VP-8058 Mobile USB Adapter
CD-RW	SONY	Spessa CD-ReWritable Recorder
ZIP	iomega	ZIP 250
Scanner	EPSON	GT-7000
	HP	ScanJet 4200C
Joystick	Logitech	WingMan Formula Force joystick
	Microsoft	SideWinder Precision 2
	Thrustmaster	TOP Gun
	Genius	Flight2000 F-22X
GamePad	Creative	Cobra USB GamePad
	Logitech	WingMan Extreme USB GamePad

8.4.4 Joystick & Game Pad

Test Configuration:

OS Ver Win ME Ver: 4.90.3000

CPU AMD Athlon 1.2GHz

AMD



Memory	Apacer 128MB(Infineon)	Total: 384 MB	<input type="checkbox"/> PC100 <input checked="" type="checkbox"/> PC133
HDD	Maxtor 54098H8 40.9GB IDE	<input type="checkbox"/> ATA/66	<input checked="" type="checkbox"/> ATA/100
		Channel:	<input checked="" type="checkbox"/> PM <input type="checkbox"/> PS <input type="checkbox"/> SM <input type="checkbox"/> SS
CD-ROM	Lite-On LTN-122 12X IDE DVD	Channel:	<input type="checkbox"/> PM <input type="checkbox"/> PS <input checked="" type="checkbox"/> SM <input type="checkbox"/> SS
VGA	Leadtek Geforce3	<input type="checkbox"/>PCI_Slot:	____. <input checked="" type="checkbox"/> AGP
Sound	VIA VT686B	<input type="checkbox"/>ISA_Slot:	____. <input checked="" type="checkbox"/> On board
Mouse	Logitech TrackMan Marble Mouse	<input type="checkbox"/>COM	<input checked="" type="checkbox"/> 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	Logitech	Wing Man Extreme digital joystick
		CyberMan2 Digital Game Controller
	Microsoft	SideWinder force feedback pro joystick

8.5 Power Supply Products

Test Configuration:

OS Ver	<input checked="" type="checkbox"/> Win 2000 Ver: <u>5.00.2195</u> ____.		
CPU	AMD Athlon 1.0GHz	<input checked="" type="checkbox"/> AMD	
Memory	Buffalo 128MB(Winbond)	Total: 256 MB	<input type="checkbox"/> PC100 <input checked="" type="checkbox"/> PC133
HDD	WD 300 30GB	<input type="checkbox"/> ATA/66	<input checked="" type="checkbox"/> ATA/100
		Channel:	<input checked="" type="checkbox"/> PM <input type="checkbox"/> PS <input type="checkbox"/> SM <input type="checkbox"/> SS
CD-ROM	Creative DVD1242E 12X IDE DVD	Channel:	<input type="checkbox"/> PM <input type="checkbox"/> PS <input checked="" type="checkbox"/> SM <input type="checkbox"/> SS
VGA	ELSA GLADIAC MX	<input type="checkbox"/>PCI_Slot:	____. <input checked="" type="checkbox"/> AGP
Sound	VIA VT686B	<input type="checkbox"/>ISA_Slot:	____. <input checked="" type="checkbox"/> On board
Mouse	Logitech TrackMan Marble Mouse	<input type="checkbox"/>COM	<input checked="" type="checkbox"/> PS/2

The following Power supply devices test Cool/Warm boot, restart and power management under Windows 2000 with over 10 times.

Vendor	Product Description	Power	Type
DELTA	DPS-300KB-1 A Rev:00	300W	ATX
HIPRO	HP-250NLXAA	250W	NLX
	HP-300SN Rev:02	300W	ATX



Seventeam	ST-250GL	250W	ATX
	ST-250BLP	250W	ATX
	ST-301HR	300W	ATX
	ST-300BLV	300W	ATX
Enlight	HPC-250-101 Rev:C	250W	ATX
	HPC-300-101 Rev:C0	300W	ATX
TELTA	HI-250PB	250W	ATX
	HI-300PB	300W	ATX
AOpen	FSP300-60GT	300W	ATX
FSP	FSP250-61GN(AMD)	250W	ATX
ACHME	AM607BS-250W	250W	ATX
HOPELY	ATX-250S	250W	ATX
Golden Field	K7-335 V2.02	300W	ATX

9. Software Compatibility Test Suite

9.1 Base Operating System

9.1.1 Microsoft Windows 98 SE:

Test Configuration:

CPU AMD Athlon 1000MHz
Memory Buffalo 128MB(Hyundai)
HDD Fujitsu MPG3307AT 30.7GB IDE

VGA ASUS AGP-V7700 Deluxe
Sound VIA VT686B
CD-ROM ASUS DD-E612 12X IDE DVD
Mouse Microsoft IntelliMouse Mouse

AMD
Total: 256 MB PC100 PC133
 ATA/66 ATA/100
Channel: PM PS SM SS
 Onboard AGP 4X
 ISA_Slot: __. On board
Channel: PM PS SM SS
 COM PS/2

Test Item	Result	Remark
FDISK (FAT32)	PASS	
Install OS	PASS	
Format FDD	PASS	



FIC CD-PRO all M/B drivers Install & Test		PASS	
FIC CD-PRO all Application Install & Test (LogoGenie,FirstAID)		PASS	
CoreTest 92 (Transfer Rate test)		PASS	
Large file Copy from CD/DVD-ROM (one file Over 500MB)		PASS	
Device Management check (No Caution)		PASS	
VGA Resolution/Color change (800x600x32bit / 1024x768x16bit)		PASS	
Install Office 2000		PASS	
Auto Shutdown (system power off)		PASS	
VCD/DVD play (name: Runaway Bride)		PASS	
Power Management (Stand By function)	Power button	PASS	
	Keyboard Sleep Key (98keyboard)	PASS	
	Start → Stand By item	PASS	
	Time Out	PASS	
WinStone 2001		PASS	
CC WinStone 2001		PASS	
WinBench 99 V1.2 (BD/BG/CPU/FPU/HD/HG)		PASS	
3D Mark 2001		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 1000MHz AMD
Memory Buffalo 128MB (SEC) **Total: 256 MB** PC100 PC133
HDD IBM DTLA-307060 61.4GB IDE ATA/66 ATA/100
Channel: PM PS SM SS
VGA ATI Radeon Onboard AGP 4X
Sound VIA VT686B ISA_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	
VCD/DVD play (name: Runaway Bride)	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	
CC WinStone 2001	PASS	
WinBench 99 (BD/BG/CPU/FPU/HD/HG)	PASS	
3D Mark 2001	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 1000MHz AMD
Memory KingMax 128MB(KSV884T4A1A-07) **Total: 256 MB** PC100 PC133
HDD IBM DTLA-307045 46.1GB IDE ATA66 ATA/100
Channel: PM PS SM SS
VGA Matrox Millennium G450 Onboard AGP 4X
Sound VIA VT686B ISA_Slot:_. On board
CD-ROM Panasonic SR-8585-B 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	
VCD/DVD play (name: Mercury Rising)	PASS	
PM function by Win NT	PASS	
WinStone 2001	PASS	
CC WinStone 2001	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
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 AMD Athlon 1000MHz

 AMD

Memory Buffalo 128MB (Hitachi)

Total: 256 MB PC100 PC133

HDD Fujitsu MPB3032AT 3.2GB IDE

 PIO4 ATA/33

VGA Matrox Millennium G400 MAX

Channel: PM PS SM SS PCI_Slot: ____ AGP 4X



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 & BIOS)	PASS	

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

9.1.5 LINUX:

Test Configuration:

CPU AMD Athlon 1.13GHz AMD
 Memory Apacer 64MB(Apacer) Total: 192 MB PC100 PC133
 HDD Samsung SV3063H 30GB IDE ATA/66 ATA/100
 Channel: PM PS SM SS
 VGA 3dfx Voodoo3 3000 PCI_Slot: ____. AGP 2X
 LAN Intel 82559 10/100 PCI PCI_Slot: 2 On board
 CD-ROM Afreedy DD-4010E 10X 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	7.1	English	Pass
Open Linux	2.4	English	Pass

9.1.6 Microsoft Windows ME:

Test Configuration:

CPU AMD Athlon 1000MHz AMD
 Memory KingSton 256MB(IBM) Total: 512 MB PC100 PC133
 HDD Maxtor 54098H8 40.9GB IDE ATA/66 ATA/100
 Channel: PM PS SM SS



VGA ELSA GLADIAC MX Onboard AGP 4X
 Sound VIA VT686B ISA_Slot: __. On board
 CD-ROM Pioneer DVD-105S 16X IDE DVD Channel: PM PS SM SS
 Mouse Logitech Mouse+ Mouse COM PS/2

Test Item	Result	Remark
FDISK (FAT32)	PASS	
Install OS	PASS	
Format FDD	PASS	
Device Management check (No Caution)	PASS	
VGA Resolution/Color change	PASS	
Large file Copy (one file Over 500MB)	PASS	
Install Office 2000	PASS	
Media Player 7.0 (play MIDI/MP3/CD Audio)	PASS	
LS-120/ZIP install & working	PASS	
VCD/DVD play (name: Mercury Rising)	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
IE 5.5 (Install LAN card to connect to Internet)	PASS	
System Restore	PASS	
WinStone 2001	PASS	
CC WinStone 2001	PASS	
WinBench 99 (BD/BG/CPU/FPU/HD/HG)	PASS	
3D Mark 2001	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 : Brad Su

Audio: Stevent Huang

CPU/Memory: Lion Liou

VGA: Leon Liang

Logo: Joy Tsai

IDE Devices: Scott Lin

Check by: Lion Liou

Ownership: Benson Shen