

# **FIC AD11 PCI/AGP SYSTEM BOARD BOARD LEVEL COMPATIBILITY TEST REPORT**

**Document Number:** *MB-488*  
**Product Version:** *V 1.2A*  
**BIOS Version:** *ABB42*  
**Report Date:** *10/08/2001*  
**Revision:** *1.00*

Supervisor	Tester

**FIC Research & Development Department**  
**B1 #100 Min-Chuan Road, Hsin-Tien City Taipei, Taiwan, R.O.C**  
**Tel : 886-2-2218-9068 Fax : 886-2-8667-3628**



## Revision History

Document Release	Date	Change Item	ECN
Revision 1.00	10/08/2001	Initial Release.	



## ***TABLE OF CONTENTS***

1. Introduction
2. Mainboard Features
3. Mainboard CPU Support
4. System Specification for Hardware and Software Utilities
  - 4.1 Main Functionality
  - 4.2 Main Software Utilities
5. Jumper Function Verification
6. Stability Test
  - 6.1 CPU Over Clock Test
  - 6.2 Full Loading Test
  - 6.3 PCB Cool Boot Test
7. Field (Stress) Test : Dynamic Burn-in Tests
8. Hardware Compatibility Test Suite
  - 8.1 **Memory**
    - 8.1.1 DDR SDRAM Module(DDR200/PC1600)
    - 8.1.2 DDR SDRAM Module(DDR266/PC2100)
  - 8.2 **Add-on Cards**
    - 8.2.1 Display Adapter Products
      - 8.2.1.1 2X AGP Display Adapter Products
      - 8.2.1.2 4X AGP Display Adapter Products
      - 8.2.1.3 PCI Display Adapter Products
    - 8.2.2 SCSI Adapter Products
    - 8.2.3 CNR Products
  - 8.3 **Storage**
    - 8.3.1 SCSI Peripheral Products
    - 8.3.2 IDE Fixed Disk Drive Products
      - 8.3.2.1 IDE Ultra DMA66
      - 8.3.2.2 IDE Ultra DMA100
    - 8.3.3 Floppy Disk Drive Products
    - 8.3.4 ATAPI CD-ROM / DVD-ROM Device Products
      - 8.3.4.1 ATAPI CD-ROM
      - 8.3.4.2 ATAPI DVD-ROM
  - 8.4 **Peripherals**
    - 8.4.1 Parallel/Serial Port Products
    - 8.4.2 Mouse Products
    - 8.4.3 USB Device Products
    - 8.4.4 Joystick & Game Pad
  - 8.5 **Power Supply Products**
  - 8.6 **MPEG-2 DVD Display Products**
9. Software Compatibility Test Suite
  - 9.1 **Base Operating Systems**
    - 9.1.1 Microsoft Windows 98 SE
    - 9.1.2 Microsoft Windows 2000 Professional
    - 9.1.3 Microsoft Windows NT 4.0 + Service Pack 6
    - 9.1.4 IBM OS/2 4.0
    - 9.1.5 LINUX
    - 9.1.6 Microsoft Windows ME
    - 9.1.7 Microsoft Windows XP/Home Edition



## 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** : AD11 PCB Rev 1.2A  
**Product Name** : AMD 761 Based Mainboard  
**System BIOS** : Award BIOS Version ABB42  
**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
Duron 1.0GHz (Morgan)	100	Pass
Duron 1.1GHz (Morgan)	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	Pass
Athlon 1.333GHz	133	Pass
Athlon 1.4GHz	100/133	Pass
Athlon XP 1500+ (Palomino/1333)	133	Pass
Athlon XP 1600+ (Palomino/1400)	133	Pass
Athlon XP 1700+ (Palomino/1467)	133	Pass
Athlon XP 1800+ (Palomino/1533)	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	AMD 761 + VIA 686B
System Cache	64K/256K Pipeline Burst SRAM Built-in CPU
System Memory	Maximum : 2GB DDR SDRAM
	184 pins single RAS and Double RAS DDR SDRAM Module
System Slots	1 AGP /5 PCI /1 CNR slots
Audio	OnChip VIA VT686B AC'97 Audio on board
IO Corelogic	VIA VT686B 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/2000)	Pass
2	APM 1.2	Pass
3	RTC Alarm Function	Pass
4	Logo Genie	Pass
5	BIOS Easy Kit	Pass
6	Audio Alert II	Pass
7	BIOS Flash Protect (Guardian feature)	Pass
8	Ultra DMA33/66/100 Enhanced IDE Interface	Pass
9	CNR Function	Pass
10	Front/Rear USB Function	Pass
11	Front Audio Function	Pass
12	Year 2000 Compliance	Pass

### 4.2 Main Software Utilities :

Num.	M/B function	Version	Result
1	AMD Miniport driver	4.80	Pass
2	VIA 4 in 1 Chipset Driver	4.32	Pass
3	VIA VT686B Audio driver for Win 9x/ME/XP/2000	2.00a	Pass
4	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	Open	Pass
Clear Password	CLR_PSWD	Open	Pass
System Bus Clock	100MHz/133MHz	1-2	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: (1days)

System Configuration	
<b>CPU</b> : AMD Duron 700MHz	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 64KB	<b>Audio</b> : Onboard 686B AC'97 Audio
<b>Memory</b> : NEC DDR266 128MB X 2	<b>Mouse</b> : Microsoft PS/2 mouse
<b>HDD (ATA/66)</b> : Seagate ST-313032A 13GB	<b>PowerSupply</b> : Delta DPS-300KB ATX 300W
<b>VGA</b> : Creative Geforce Pro	<b>O.S. Environment</b> : Windows ME
<b>DVD-ROM</b> : Toshiba SD-M1202 4.8X DVD	

NO.	Over clock level		Test Result				
	FSB	CPU ID	Cool boot	Install OS	PM	Winstone 99	3D Mark2000
1	103MHz	721MHz	Pass	Pass	Pass	26.4	Pass
2	105MHz	735MHz	Pass	Pass	Pass	26.6	Pass

### 6.2 Full Loading Test: (1days)

System Configuration	
<b>CPU</b> : AMD Duron 700MHz	<b>PCI 1</b> : ASC-39160 SCSI
<b>Cache Memory</b> : 64KB	<b>PCI 2</b> : ASC-29160 SCSI
<b>Memory</b> : NEC DDR266 128MB X 2	<b>PCI 3</b> : AHA-2940U2W SCSI
<b>HDD 1</b> : WD 84AA8.4GB	<b>PCI 4</b> : 3Com 3C905B LAN
<b>HDD2</b> : Seagate ST-320423A 20.4GB	<b>PCI 5</b> : Accton En1207-TX LAN
<b>DVD-ROM1</b> : Toshiba SD-M1202 4.8X 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> : ELSA ERAZOR X <sup>2</sup>	<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	37.2	Pass

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

System Configuration	
<b>CPU</b> : AMD Duron 700MHz	<b>FDD</b> : NEC FD1231T 1.44MB
<b>Cache Memory</b> : 64KB	<b>PowerSupply</b> : Enlight ATX-723B 230W
<b>Memory</b> : Micron DDR200 64MB X 1	
<b>VGA</b> : ATI Fury MAXX	

Test Result	
<b>Cool Boot (over 1100 times)</b>	Pass





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

Software Name	Duration	Result
CC Winstone 2000 Under WIN2000	24hr.	
Test Configurations for Win 2000	AMD Athlon 1.2GHz (FSB 100MHz) ELSA ERAZOR X <sup>2</sup> AGP SEC DDR266 256MB X 2 Quantum Fireball CR 8.4GB ATA/66 HDD Acer 650P50X CD-ROM	
CC Winstone 99 Under Windows NT	24hr.	
Test Configurations for Windows NT 4.0	AMD Athlon 850MHz (FSB 100MHz) Creative Geforce 256 AGP NEC DDR200 256MB X 2 IBM DJNA-370910 9.1GB ATA/66 HDD ASUS CD-S400 40X CD-ROM	



## 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 Athlon XP 1800+

☒ AMD

HDD Maxtor 4K040H2 40GB

☒ UDMA/66 ☒ UDMA/100

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

VGA ELSA GLADIAC 920

☒ PCI\_Slot:      ☒ AGP 4X

CD-ROM Pioneer DVD-114 10X DVD-ROM

Channel: ☒ PM ☒ PS ☒ SM ☒ SS

Sound VIA 686B

☒ PCI\_Slot:      ☒ On board

Mouse Microsoft IntelliMouse PS/2 Mouse

☒ COM ☒ PS/2

The following DDR SDRAM module test Winstone 2001/3D Mark 2001 under Windows ME and CC Winstone 2001 under Windows 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 DDR SDRAM Module (DDR200/PC1600)

Vender	IC Part No.	Size	Side	Module No.
Micron	MT46V8M8-8	64MB	S	MT8VDDT864AG-202A2
NEC	D45D128842G5-C80-9LG	128MB	D	MC-45D16CB641KF-C80
	D45D128842G5-C80-9LG	256MB	D	MC-45D32CD641KFA-C80

#### 8.1.2 DDR SDRAM Module (DDR266/PC2100)

Vender	IC Part No.	Size	Side	Module No.
NEC	D45D128842G5-C75-9LG	128MB	D	MC-45D16CB641KF-C75
	D45D128842G5-C75-9LG	256MB	D	MC-45D32CD641KFA-C75
Micron	MT46V8M8-75	64MB	S	MT8VDDT864AG-265A2
	MT46V8M8-75	128MB	D	MT16VDDT1664AG-265A2
	MT46V16M8-75A	128MB	S	MT8VDDT1664AG-265A1
	MT46V16M8-75A	256MB	D	MT16VDDT3264AG-265A1
SEC	K4H281638B-TCA2	128MB	D	M368L1714BT1-CA2
	K4H280838B-TCB0	256MB	D	M368L3313BT1-CB0
Apacer	K4H280838B-TCB0 (SEC)	128MB	D	77.10304.460
	K4H280838B-TCB0 (SEC)	256MB	D	77.10204.460
	N612804GT3B (IBM)	128MB	D	77.10303.360
	N612804GT3B (IBM)	256MB	D	77.10203.360
Buffalo	K4H280838B-TCB0 (SEC)	256MB	D	DD266-256M
Crucial	MT46V16M8-75A (Micron)	128MB	S	CT1672Z265.9T
	MT46V16M8-75A (Micron)	256MB	D	CT3272Z265.18T
Hynix	HY5DU28822AT-H (Hyundai)	256MB	D	HYMD132645 A8-H
KingMax	KDL684T4A2A-07A	128MB	S	MPDA82D-68KX2
	KDL684T4A2A-07A	256MB	D	MPDB62D-68KX2
Transend	NT5DS16M8AT-7K (Nanya)	128MB	S	TS16MLD64V6D5
	NT5DS16M8AT-7K (Nanya)	256MB	D	TS32MLD64V6D5
	K4H280838B-TCB0 (SEC)	256MB	D	TS32MLD64V6D5
	MT46V16M8-75A (Micron)	256MB	D	T32MLD64V6D5

## 8.2 Add-on Cards

### 8.2.1 Display Adapter Products

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .  
CPU Athlon 900MHz ☒ AMD  
HDD IBM DTLA-307060 60GB ☒ UDMA/66 ☒ UDMA/100  
Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
Memory Micron 64MB(MT46V8M8-75) Total: 64 MB ☒ DDR200 ☒ DDR266  
CD-ROM Lite-On LTD-122 12X DVD-ROM Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
Sound VIA 686B ☒ PCI\_Slot:    ☒ On board  
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 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	4.12.2635
	Rage 128GL	Rage Fury	4.12.7016
	Rage 128GL	XPERT 128	4.12.7016
	Rage 128VR	XPERT 2000	4.12.7016
	Rage XL	Rage XL	4.12.2635
ASUS	Riva TNT	AGP-V3400TNT	4.12.01.0618
	Riva GeForce 256	AGP-V6600	4.12.01.0618
	GeForce2 MX	AGP-V7100	4.12.01.0618
Matrox	MGA-G200	Millennium G200	4.12.01.2640
	MGA-G200A	Millennium G200 LE	4.12.01.2640
	MGA-G400	Millennium G400 DH	4.12.01.1640
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
	Riva TNT2 M64	Riva TNT2 Value	4.12.01.0634
Top Solution	SiS 300 + 301	VR300DH	4.12.01.1090
MITAC	Riva TNT2 Vanta LT	Riva TNT2 Vanta LT	4.12.01.0634
3D labs	Glint R3	Oxygen VX1	4.12.01.2107
Cardex	S3 Savage 2000	Cardexpert Savage 2000	4.12.01.9014
	3D Labs Permedia 3	Cardexpert P3	4.12.01.2107
ELSA	Savage 4	Winner II	4.11.01.0310
	Riva TNT	ERAZOR II	4.12.01.0634
3dfx	Voodoo 3 1000	Voodoo 3 1000	4.12.01.0638
	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	4.12.01.0584

#### 8.2.1.2 4X AGP Display Adapter Products

Vendor	Model Name	Product Description	Driver version
Matrox	MGA-G400	Millennium G400 SH	4.12.01.1640
	MGA-G400	Millennium G400 MAX	4.12.01.1640
ATI	Rage 128 Pro	Rage Fury Pro	4.12.7016
	Rage 128 Pro	XPERT 2000 Pro	4.12.7016
	Radeon	Radeon	4.12.7020
	Rage 128 Pro	All-In-Wonder 128 Pro	4.12.7016
Leadtek	Riva TNT2 M64	WinFast 3D S325	4.12.01.0627
	Riva GeForce 256	Winfast GeForce256	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
	GeForce 3	WinFast GeForce 3	4.13.01.1200
Creative	Savage 4	3D Blaster Savage 4	4.11.01.2104
	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	Riva TNT2 Vanta	Cardexpert TNT2 Vanta	4.12.01.0634
	GeForce2 MX	GeForce2 MX	4.12.01.0634
Hercules	Riva GeForce 256	3D Prophet DDR-DVI	4.12.01.0635
ASUS	GeForce 3	AGP-V8200 Deluxe	4.13.01.1260
Visiontek	GeForce 3	GeForce 3	4.13.01.1241
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
	GeForce 3	GLADIAC 920	4.13.01.1240

### 8.2.1.3 PCI Display Adapter Products

Vendor	VGA Chip	Product Description
Matrox	MGA-1064SG	Mystique 4MB SGRAM
ELSA	S3 Virge/VX	Winner 3000L 3D
Cardex	S3 Virge/DX	
ATI	ATI Mach64	ATI Mach64 VT
Creative	S3 Savage 4	3D Blaster Savage 4
Cardex	SiS 6326	Cardexpert 6326
Creative	S3 Savage 4	3D Blaster Savage 4
ASUS	Riva TNT2	PCI-V3800
3dfx	Voodoo3 3000	Voodoo3 3000

### 8.2.2 SCSI Adapter Products

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A .  
☒ Win 2000 Ver: 5.00.2195 .  
 CPU Duron 700MHz ☒ AMD  
 VGA Creative 3D Geforce Pro ☒ PCI\_Slot: \_\_\_\_, ☒ AGP 4X  
 Memory NEC 128MB(D45D128842G5-C75) Total: 256 MB ☒ DDR200 ☒ DDR266  
 HDD Seagate ST-39024LW 9GB ☒ Ultra SCSI ☒ Ultra 160  
 CD-ROM Plextor PX-40Tsi 40X ☒ Ultra SCSI ☒ Ultra Wide  
 Sound VIA 686B ☒ PCI\_Slot: \_\_\_\_, ☒ On board  
 Mouse Logitech MouseMan Mouse ☒ COM ☒ PS/2

The following PCI SCSI cards install OS then run Winstone 99/Stress test under Windows 98 SE /NT/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-2940UW	Adaptec AHA-2940UW PCI SCSI card	PCI
	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-390U2W	Tekram DC-390U2W PCI SCSI	PCI

### 8.2.3 CNR Products

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.222A .  
 CPU Duron 850MHz ☒ AMD  
 VGA ELSA ERAZOR X ☒ PCI\_Slot: \_\_\_\_, ☒ AGP 4X  
 HDD Maxtor 51536H2 15.3GB ☒ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
 Memory NEC 128MB(D45D128842G5-C80) Total: 128 MB ☒ DDR200 ☒ DDR266  
 CD-ROM Pioneer DVD-115 16X DVD Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
 Sound VIA 686B ☒ PCI\_Slot: \_\_\_\_, ☒ On board  
 Mouse Logitech MouseMan 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 SCSI Peripheral Products

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A .  
☒ Win NT Ver: 4.0 + SP6

CPU Duron 700MHz ☒ AMD  
VGA ELSA ERAZOR X ☒ PCI Slot: \_\_\_\_, ☒ AGP 4X  
Memory NEC 128MB(D45D128842G5-C75) Total: 256 MB ☒ DDR200 ☒ DDR266  
SCSI Adaptec ASC-29160 PCI ☒ Ultra SCSI ☒ Ultra 160  
Sound VIA 686B ☒ PCI Slot: \_\_\_\_, ☒ On board  
Mouse Logitech MouseMan Mouse ☒ COM ☒ PS/2

The following SCSI devices test WinStone 99 under Windows 98/NT 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
		Atlas 10K	Ultra2 SCSI HDD 18.2GB
	Seagate	ST39236LW	Barracuda Ultra160 Wide 9GB
		ST318436LW	Barracuda Ultra160 Wide 18GB
		ST39204LW	Cheetah Ultra160 Wide 9GB
		ST318404LW	Cheetah Ultra160 Wide 18GB
		ST-34502LW	Cheetah 9LP Ultra2 Wide 4.5GB
	IBM	DMVS IEC-950	Ultra2 Wide SCSI HDD 9.1GB
		DMVS IEC-950	Ultra2 Wide SCSI HDD 36GB
CD-ROM CD-RW	Plextor	PX-40Tsi	Ultra SCSI CD-ROM 40X
		PX-W124Tsi	(12W/4RW/32R) CD-RW 32X
	NEC	CDR-1910	Ultra SCSI CD-ROM 32X
	TEAC	CD-523S	Ultra SCSI CD-ROM 32X
		CDR 56S	Ultra SCSI CD-RW (24R6W)
	Toshiba	XM-6210B	Ultra SCSI CD-ROM 32X

### 8.3.2 IDE Fixed Disk Drive Products

#### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .  
☒ Win 2000 Ver: 5.00.2195 .

CPU Athlon XP 1700+ ☒ AMD  
VGA ELSA GLADIAC 511 ☒ PCI Slot: \_\_\_\_, ☒ AGP 4X  
Memory SEC 256MB(K4H280838B-TCB0) Total: 512 MB ☒ DDR200 ☒ DDR266



CD-ROM Panasonic SR-8584B 6X DVD

Channel: YPM YPS ☒ SM YSS

Sound VIA 686B

YPCI\_Slot: \_\_, ☒ On board

Mouse Microsoft IntelliMouse PS/2 Mouse

YCOM ☒ PS/2

The following IDE devices test WinStone 2001 and copy large files (over 500MB) 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 Ultra DMA/66**

Vendor	Model Name	Mode	Capacity
WD	AC313000	Ultra ATA 66	13GB
	AC205BA	Ultra ATA 66	20.4GB
Seagate	ST-330630A	Ultra ATA 66	30.6GB
Fujitsu	MPE3204AT	Ultra ATA 66	20.4GB
IBM	DPTA-353750	Ultra ATA 66	37.5GB
Maxtor	91360U4	Ultra ATA 66	13.6GB
	91531U3	Ultra ATA 66	15.3GB
	92049U4	Ultra ATA 66	20GB
	92720U8	Ultra ATA 66	27GB
	93073U6	Ultra ATA 66	30.7GB
	53073U6	Ultra ATA 66	30.7GB
	94098U8	Ultra ATA 66	40GB
	54098U8	Ultra ATA 66	40GB
Samsung	SV2046D	Ultra ATA 66	20.4GB

**8.3.2.2 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
	IC35L040A	Ultra ATA 100	40GB
	DTLA-307045	Ultra ATA 100	46.1GB
	DTLA-307060	Ultra ATA 100	61.4GB
	IC35L060A	Ultra ATA 100	61.5GB
	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
	34098H4	Ultra ATA 100	40.9GB
	54098H8	Ultra ATA 100	40.9GB
	4K040H2	Ultra ATA 100	40GB
	5T060H6	Ultra ATA 100	61GB
	98196H8	Ultra ATA 100	80GB
	4K080H4	Ultra ATA 100	80GB
	4W100H6	Ultra ATA 100	100GB
	ST320414A	Ultra ATA 100	20GB
Seagate	ST330631A	Ultra ATA 100	30.6GB
	ST340824A	Ultra ATA 100	40GB
	ST380020A	Ultra ATA 100	80GB
	ST380021A	Ultra ATA 100	80GB
	WD	Caviar WD300	30GB

	Caviar WD400	Ultra ATA 100	40GB
	Caviar WD600	Ultra ATA 100	60GB
	Caviar WD800	Ultra ATA 100	80GB
Fujitsu	MPG3204AT	Ultra ATA 100	20.4GB
	MPG3307AT	Ultra ATA 100	30.7GB
	MPG3409AT	Ultra ATA 100	40.9GB
Samsung	SV3063H	Ultra ATA 100	30.6GB
	SV4084H	Ultra ATA 100	40.8GB

### 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 Athlon 700MHz

☒ AMD

VGA Maxtor Millennium G400 MAX

~~Y~~PCI\_Slot:\_\_\_\_. ☒ AGP 4X

HDD Matrox 52049H4 20.4GB

~~Y~~UDMA/66 ☒ UDMA/100

Channel: ☒ PM ~~Y~~PS ~~Y~~SM ~~Y~~SS

Memory Micron 128MB(MT46V8M8-75)

Total: 128 MB ~~Y~~DDR200 ☒ DDR266

CD-ROM Lite-On LTN-485S 48X CD-ROM

Channel: ~~Y~~PM ~~Y~~PS ☒ SM ~~Y~~SS

Sound VIA 686B

~~Y~~PCI\_Slot:\_\_\_\_. ☒ On board

Mouse Logitech MouseMan Mouse

~~Y~~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
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 Duron 950MHz

☒ AMD

VGA ATI Radeon

~~Y~~PCI\_Slot:\_\_\_\_. ☒ AGP 4X

HDD IBM DTLA-307060 60GB

~~Y~~UDMA/66 ☒ UDMA/100

Channel: ☒ PM ~~Y~~PS ~~Y~~SM ~~Y~~SS

Memory NEC 256MB(D45D128842G5-C75)

Total: 512 MB ~~Y~~DDR200 ☒ DDR266

Sound VIA 686B

~~Y~~PCI\_Slot:\_\_\_\_. ☒ On board



Mouse Logitech MouseMan Mouse

COM ☒ PS/2

The following IDE devices test play VCD or DVD under windows ME with OS default drivers 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
TEAC	CD-540E	ATAPI CD-ROM 40X UDMA2
LEOPTICS	CDD-1360	ATAPI CD-ROM 32X Mode4
Pioneer	DR-744	ATAPI CD-ROM 36X 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
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
Panasonic	SR-8583B	ATAPI DVD-ROM 5X
	SR-8584B	ATAPI DVD-ROM 6X
	SR-8585-B	ATAPI DVD-ROM 8X
	SR-8587-B	ATAPI DVD-ROM 16X
Toshiba	SD-M1202	ATAPI DVD-ROM 4.8X
Creative	SR-8581-B	ATAPI DVD-ROM 2X
	DVD8400E	ATAPI DVD-ROM 8X
	DVD1242E	ATAPI DVD-ROM 12X
Pioneer	DVD-102	ATAPI DVD-ROM 2.6X
	DVD-A03S	ATAPI DVD-ROM 6X
	DVD-114	ATAPI DVD-ROM 10X
	DVD-115	ATAPI DVD-ROM 16X
	DVD-105S	ATAPI DVD-ROM 16X
Sony	DDU1211	ATAPI DVD-ROM 12X
	DDU1621	ATAPI DVD-ROM 16X
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
LG	DRD-8120B	ATAPI DVD-ROM 12X
Actima	AD10S	ATAPI DVD-ROM 10X
NEC	DV-5700B	ATAPI DVD-ROM 12X UDMA33



	DV-5800A	ATAPI DVD-ROM 16X UDMA33
--	----------	--------------------------

## 8.4 Peripherals

### 8.4.1 Parallel/Serial Port Products

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A .  
CPU Athlon 850MHz ☒ AMD  
VGA ASUS AGP-V6600 ☐ PCI\_Slot:\_\_\_\_. ☒ AGP 4X  
HDD IBM DTLA-305020 20.5GB ☐ UDMA/66 ☒ UDMA/100  
Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
Memory NEC 128MB(D45D128842G5-C80) Total: 128 MB ☒ DDR200 ☐ DDR266  
CD-ROM Panasonic SR-8584B 6X DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
Sound VIA 686B ☐ PCI\_Slot:\_\_\_\_. ☒ On board  
Mouse Microsoft IntelliMouse PS/2 Mouse ☐ 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
EPSON	Stylus Color 900 Printer	LPT
Mustek	Mustek 1200CP Scanner	LPT
iomega	Parallel ZIP 250	LPT
Kodak	DC210 InfraRed/Serial port Digital camera	COM
USR	Sportster 56K Faxmodem Modem	COM

### 8.4.2 Mouse Products

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A .  
CPU Athlon 850MHz ☒ AMD  
VGA ASUS AGP-V6600 ☐ PCI\_Slot:\_\_\_\_. ☒ AGP 4X  
HDD IBM DTLA-305020 20.5GB ☐ UDMA/66 ☒ UDMA/100  
Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
Memory Micron 64MB(MT46V8M8-8) Total: 128 MB ☒ DDR200 ☐ DDR266  
CD-ROM Afreedy DD-4010E 10X DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
Sound VIA 686B ☐ 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
Genius	NetMouse	PS2
	NetScroll Optical	PS2
Samsung	Cyber Beetle Mouse (Optical)	PS2
LEO	Niche-N202	PS2

### 8.4.3 USB Device Products

#### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A .  
 CPU Athlon 850MHz ☒ AMD  
 VGA ASUS AGP-V6600 ☐ PCI\_Slot:\_\_\_\_. ☒ AGP 4X  
 HDD IBM DTLA-305020 20.5GB ☐ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
 Memory NEC 128MB(D45D128842G5-C80) Total: 256 MB ☒ DDR200 ☐ DDR266  
 CD-ROM Panasonic SR-8584B 6X DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
 Sound VIA 686B ☐ PCI\_Slot:\_. ☒ On board  
 Mouse Microsoft IntelliMouse PS/2 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 (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
	Justy	UM-400
	Cypress	7-895 Mouse
Camera	Kodak	DVC323
	IBM	XVP610
Keyboard	BTC	8113W
	Jetime	ACK-298H
	Microsoft	Natural Keyboard Pro
Printer	EPSON	Stylus Color 740
		Stylus Color 900
ZIP	iomega	ZIP 250
Scanner	HP	ScanJet 4200C
	EPSON	GT-7000
GamePad	Creative	Cobra USB GamePad
	Logitech	WingMan Extreme USB GamePad



Joystick	Genius	Flight2000 F-22X
	Logitech	WingMan Formula Force joystick
	Thrustmaster	TOP Gun

#### 8.4.4 Joystick & Game Pad

##### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A .  
 CPU Athlon 850MHz ☒ AMD  
 VGA ASUS AGP-V6600 ☒ PCI Slot: \_\_\_\_, ☒ AGP 4X  
 HDD IBM DTLA-305020 20.5GB ☒ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
 Memory NEC 128MB(D45D128842G5-C80) Total: 128 MB ☒ DDR200 ☒ DDR266  
 CD-ROM Panasonic SR-8584B 6X DVD Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
 Sound VIA 686B ☒ PCI Slot: \_\_\_\_, ☒ On board  
 Mouse Microsoft IntelliMouse PS/2 Mouse ☒ COM ☒ PS/2

The following Joystick & Game Pad devices test Game under Windows 98 SE with themselves default driver installed.

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

#### 8.5 Power Supply Products

##### Test Configuration:

OS Ver ☒ Win ME Ver: 4.90.3000 .  
 CPU Duron 700MHz ☒ AMD  
 VGA ATI Fury Pro ☒ PCI Slot: \_\_\_\_, ☒ AGP 4X  
 HDD WD AC300BB 30GB ☒ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
 Memory SEC 256MB(K4H280838B-TCB0) Total: 512 MB ☒ DDR200 ☒ DDR266



**CD-ROM** Philips PCA323CD 32X CD-ROM    **Channel:** YPM YPS ☒ SM YSS  
**Sound** VIA 686B    YPCI\_Slot: \_\_, ☒ On board  
**Mouse** Microsoft IntelliMouse PS/2 Mouse    YCOM ☒ 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-300KB A Rev:00	300W	ATX
HIPRO	HP-250NLXAK Rev:01	250W	NLX
	HP-250NLXAA	250W	NLX
	HP-300SN Rev:02	300W	ATX
Seventeam	ST-250GL	250W	ATX
	ST-301HR	300W	ATX
	ST-400GL	400W	ATX
Enlight	ATX-725B	250W	ATX
	ATX-730	300W	ATX
	HPC-250G2 Rev:A0-01	250W	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



## 8.6 MPEG-2 DVD Display Products

### Test Configuration:

OS Ver ☒ Win 98 SE Ver: 4.10.2222A  
CPU Duron 800MHz ☒ AMD  
VGA Leadtek VR300 ☒ PCI\_Slot: \_\_\_\_, ☒ AGP 2X  
HDD Maxtor 53073H6 30.6GB ☒ UDMA/66 ☒ UDMA/100  
Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
Memory SEC 256MB(K4H280838B-TCB0) Total: 512 MB ☒ DDR200 ☒ DDR266  
CD-ROM Lite-on LTN-122 12X DVD Channel: ☒ PM ☒ PS ☒ SM ☒ SS  
Sound VIA 686B ☒ PCI\_Slot: \_\_\_\_, ☒ On board  
Mouse Microsoft IntelliMouse PS/2 Mouse ☒ COM ☒ PS/2

The following DVD player over night under Windows 98 SE 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 Athlon 1.1GHz ☒ AMD  
 VGA ELSA ERAZOR III Pro ☐ PCI\_Slot:\_\_\_\_ ☒ AGP 4X  
 HDD Maxtor 54098H8 40.9GB ☐ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
 Memory SEC 256MB(K4H280838B-TCB0) Total: 512 MB ☐ DDR200 ☒ DDR266  
 CD-ROM Pioneer DVD-105S 16X DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
 Sound VIA 686B ☐ PCI\_Slot:\_\_\_\_ ☒ On board  
 Mouse Microsoft IntelliMouse PS/2 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	
LS-120/ZIP install & working	PASS	
VCD/DVD play (name: Mercury Rising )	PASS	
PM function by WIN98 (H/W )	PASS	
WinStone 99 (Business WS99)	PASS	35.5
CC WinStone 2000	PASS	44.5
WinBench 99 (BD/BG/CPU/FPU/HD/HG)	PASS	
3D Winbench 2000 (3D Quality/3D Winmark)	PASS	32

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
	4.10.2222A	Chinese(trad)	Microsoft	PASS
	4.10.2184.1	Chinese(simp)	Microsoft	PASS

### 9.1.2 Microsoft Windows 2000 Professional:

#### Test Configuration:

CPU Athlon 1.1GHz ☒ AMD  
 VGA ELSA ERAZOR X ☐ PCI\_Slot:\_\_\_\_, ☒ AGP 4X  
 HDD WD 300 30GB ☐ UDMA/66 ☒ UDMA/100  
 Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
 Memory SEC 256MB(K4H280838B-TCB0) Total: 512 MB ☐ DDR200 ☒ DDR266  
 CD-ROM Afreedy DD-4010E 10X DVD Channel: ☐ PM ☐ PS ☒ SM ☐ SS  
 Sound VIA 686B ☐ PCI\_Slot:\_\_\_\_, ☒ On board  
 Mouse Microsoft IntelliMouse PS/2 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: Mercury Rising )		PASS	
Power Management (Stand By function)	Power button	PASS	
	Sleep button	PASS	
	Keyboard Sleep Key	PASS	
	Start → Stand By item	PASS	
	Time Out	PASS	
Hibernate (Suspend To Disk)	Power button	PASS	
	Sleep button	PASS	
	Start → Hibernate item	PASS	
	Time Out	PASS	
System Shutdown	Power button	PASS	
	Sleep button	PASS	
	Start → Shut down item	PASS	
WinStone 99 (Business WS99)		PASS	34.1
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** Athlon 1.1GHz ☒ AMD  
**VGA** ELSA TNT2 M64 ☐ PCI\_Slot:\_\_\_\_, ☒ AGP 2X  
**HDD** IBM DTLA-305020 20GB ☐ UDMA/66 ☒ UDMA/100  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**Memory** SEC 256MB(K4H280838B-TCB0) **Total:** 512 MB ☐ DDR200 ☒ DDR266  
**CD-ROM** TEAC CD-540E 40X CD-ROM **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** VIA 686B ☐ PCI\_Slot:\_\_\_\_, ☒ On board  
**Mouse** Microsoft IntelliMouse PS/2 Mouse ☐ COM ☒ PS/2

Test Item	Result	Remark
Install Win NT with NTFS (boot from CD )	PASS	
Install Service Pack 5.0/6.0	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 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

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** Athlon 1.1GHz ☒ AMD  
**HDD** Fujitsu MPB3032AT 3.2GB IDE ☐ PIO4 ☒ UDMA/33  
**VGA** S3 Trio64+ ☐ Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
**Memory** SEC 256MB(K4H280838B-TCB0) ☒ PCI\_Slot: 1 ☐ AGP  
**CD-ROM** TEAC CD-540E 40X CD-ROM **Total:** 512 MB ☐ DDR200 ☒ DDR266  
**Mouse** Microsoft IntelliMouse PS/2 Mouse **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
☐ COM ☒ PS/2

Test Item	Result	Remark
Install OS/2 (HPFS)	PASS	
Format FDD	PASS	
XCopy	PASS	
Diskcopy	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** Athlon 950MHz ☒ AMD  
**VGA** ATI Rage Furry ☐ PCI\_Slot:     ☒ AGP 4X  
**HDD** Seagate ST-365030 30GB ☒ UDMA/33 ☐ UDMA/66  
**Memory** NEC 128MB(D45D128842G5-C75) ☐ Channel: ☒ PM ☐ PS ☐ SM ☐ SS  
**CD-ROM** TEAC CD-540E 40X CD-ROM **Total:** 256 MB ☐ DDR200 ☒ DDR266  
**Sound** VIA 686B **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
☐ PCI\_Slot:     ☒ On board  
**Mouse** Microsoft IntelliMouse PS/2 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
Open Linux	2.4	English	PASS

### 9.1.6 Microsoft Windows ME:

#### Test Configuration:

**CPU** Athlon 1.1GHz ☒ AMD  
**VGA** ELSA ERAZOR X ☒ PCI\_Slot: \_\_\_\_, ☒ AGP 4X  
**HDD** Seagate ST-330631A 30.6GB ☒ UDMA/66 ☒ UDMA/100  
**Memory** SEC 256MB(K4H280838B-TCB0) **Total:** 512 MB ☒ DDR200 ☒ DDR266  
**CD-ROM** Afreedy DD-4010e 10X DVD **Channel:** ☒ PM ☒ PS ☒ SM ☒ SS  
**Sound** VIA 686B ☒ PCI\_Slot: \_\_\_\_, ☒ On board  
**Mouse** Microsoft IntelliMouse PS/2 Mouse ☒ 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	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
	Sleep button	PASS
	Keyboard Sleep Key	PASS
	Start → Stand By item	PASS
	Time Out	PASS
Hibernate (Suspend To Disk)	Power button	PASS
	Sleep button	PASS
	Start → Hibernate item	PASS
	Time Out	PASS
System Shutdown	Power button	PASS
	Sleep button	PASS
	Start → Shut down item	PASS
IE 5.5 (Install LAN card to connect to Internet)	PASS	
System Restore	PASS	
WinStone 99 (Business WS99)	PASS	33.5
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 ME	4.90.3000	English	Microsoft	PASS

### 9.1.7 Microsoft Windows XP/Home Edition:

#### Test Configuration:

**CPU** Athlon XP 1600+ ☒ AMD  
**VGA** ELSA GLADIAC 920 ☐ PCI\_Slot:\_\_\_\_, ☒ AGP 4X  
**HDD** Maxtor 4K080H4 80GB ☐ UDMA/66 ☒ UDMA/100  
**Channel:** ☒ PM ☐ PS ☐ SM ☐ SS  
**Memory** Micron 256MB(MT46V16M8-75A) **Total:** 512 MB ☐ DDR200 ☒ DDR266  
**CD-ROM** NEC DV-5800A 16X IDE DVD **Channel:** ☐ PM ☐ PS ☒ SM ☐ SS  
**Sound** VIA 686B ☐ PCI\_Slot:\_\_\_\_, ☒ On board  
**Mouse** Microsoft IntelliMouse PS/2 Mouse ☐ COM ☒ PS/2

Test Item		Result	Result
FDISK (NTFS)		PASS	
Install OS		PASS	
Large file Copy from CD/DVD-ROM (one file Over 500MB)		PASS	
Install Office XP		PASS	
Media Player 8.0 (play MIDI/MP3/CD Audio)		PASS	
Defrag test		PASS	
VCD/DVD play (name: Mercury Rising )		PASS	
Power Management (Stand By function)	Power button	PASS	
	Keyboard Sleep Key (98keyboard)	PASS	
	Start → Stand By item	PASS	
	Time Out	PASS	
S3 (Suspend To Memory)	Power button	PASS	
	Keyboard Sleep Key (98keyboard)	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 (Setting from PM)	PASS	
	Start → Shut down item	PASS	
RTC Alarm to power on system	Power On from S3	PASS	
	Power On from S4	PASS	
	Power On from S5	PASS	
WinStone 2001		PASS	
CC WinStone 2001		PASS	
WinBench 99 V2.0 (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 XP /Home Edition	5.01.2600	English	Microsoft	Pass



**Test Engineer:**

**BIOS:**         *Benson Shen*    

**OS:**         *Scott Lin*    

**I/O :**         *Peter Churg*    

**Audio:**       *Brad Su*    

**CPU/Memory:**       *Leon Liang*    

**VGA:**         *Lion Liou*    

**Logo:**        *Joy Tsai*    

**IDE Devices:**       *Scott Lin*    

**Check by:**       *Lion Liou*    

**Ownership:**       *Benson Shen*